



Since 1989
Depuis



Wire, Cable & Electrical Accessories



Since 1989

Head Office:
 Oakville,
 Ontario



Oakville Distribution Centre



Burnaby Distribution Centre



Since 1989, Techspan has been supplying Wire Management Products & Electrical Accessories to the Automotive, Electrical, Heavy-Duty, Industrial and Marine markets. We have grown steadily over the years because of our commitment to provide quality products and outstanding service from our two locations in Canada (Greater Toronto Area and Metropolitan Vancouver).

With the release of this catalogue, Techspan has again dramatically expanded its offering of Wire, Cable & Electrical Accessories' products.

In 2023, Techspan moved its head office to a larger building in Oakville, Ontario. With 1.2 million cubic feet/ 45,000 square feet of warehouse space to work with, this new building will help sustain growth and improve efficiency all with the goal of improving customer satisfaction.

We at TECHSPAN welcome customer feedback and we invite you to:

- Check out our website – techspan.ca
- Contact us at **1.800.363.1588** for product information, catalogues, or the name of a stocking distributor or a sales representative near you
- Provide your input as to potential product additions or suggestions as to how we can serve you better



Techspan.ca

**Check out our
 NEW E-Commerce
 website:**



The following can be accomplished by visiting techspan.ca

On-line catalogue	✓
Search for an item by Product Group	✓
Search for an item by Part Number	✓
Competitor Interchange (more than 20,000 cross referenced part numbers)	✓
What's New	✓
What's on Promotion	✓
Who's Who at Techspan	✓
Contact information on your local sales representative	✓
Customers being able to place orders online	✓
Customers being able to check stock online	✓
Customers check their price online	✓
Customers able to print copy of invoice online	✓
Customers able to retrieve statement online	✓

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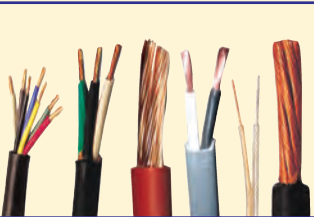
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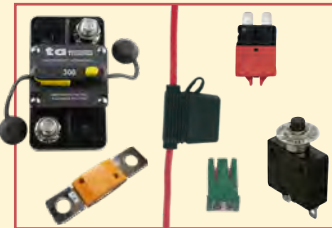
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O



Look for this 'i' symbol for additional information on products, features and benefits

Merchandising/Storing Options

Techspan offers a wide array of merchandising aids, packaging configurations and storage solutions for our products.
If you want to display it, organize it, or store it, TECHSPAN HAS THE SOLUTION!

Grid Displays

See pages 311-315 for our selection of Grid Displays.



3 & 4-Sided Floor Spinners

See page 316 for our selection of Spinner Displays.



360°
rotation



Counter-Top 4-Sided Spinner

See page 316 for our Counter-Top Spinner Display.



360°
rotation

Merchandising/Storing Displays

See page 321 for our selection of Merchandising/Storing Displays.



Counter-Top Wire Merchandisers

See page 317 for our selection of Counter-Top Spooled Wire Merchandisers.



If you want
to display it,
organize it,
or store it,
TECHSPAN HAS
THE SOLUTION!

Merchandising/Storing Options

Wall Mountable Display Panels

See page 320 for our selection of Wall Mountable displays.



Jar Assortments

See page 319 for our selection of Jar Assortments.



If you want
to display it,
organize it,
or store it,
**TECHSPAN HAS
THE SOLUTION!**

Flip Kit Series Assortment Kits & Storage Racks

See pages 324-327 for our selection of Flip Kits and Metal Rack.



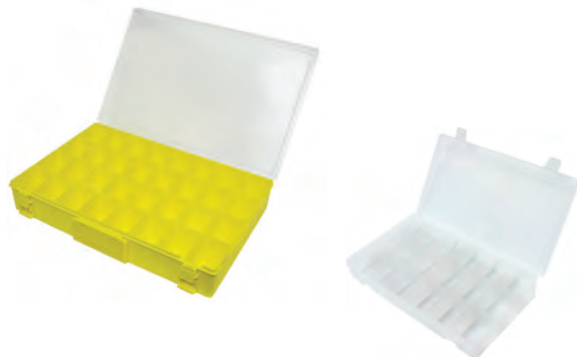
Counter Display Assortments

See page 318 for our selection of Counter Display Assortments.



'Make-It-Yourself' Trays

See page 324 & 337 for our selection of Empty Storage Trays.



Assortment Kits

See pages 323, 328-336 for our selection of Assortment Kits.



Clamshell Assortments

See page 248 & 249 for our selection of Clamshell Assortments.



A

Techspan Terminals

***NEW**

What's New?

- See Thru Series Butt Connectors, Crimp 'N' Shrink
- Screw-On Wire Connector Kit
- K-Spec® Series Ring Terminals
- Non-Insulated 'Step-Down' Butt Connectors
- Deutsch Connectors

Expanded offering on:

- Crimp 'N' Shrink Terminals & Connectors
- PVC Insulated Terminals & Connectors
- Nylon Insulated Terminals & Connectors
- Crimping Tools
- OEM Terminals, Housings & Seals
- OEM Terminal Tools
- Packaging variations

HOW STRONG ARE YOUR ELECTRICAL CONNECTIONS?

Pull Test Analysis

TENSILE STRENGTH*:	103LBS	102LBS	89LBS	70LBS	57LBS
					
TERMINAL:	Crimp/Solder/Shrink	Solder/Shrink	Crimp 'N' Shrink	Nylon Insulated	Vinyl Insulated

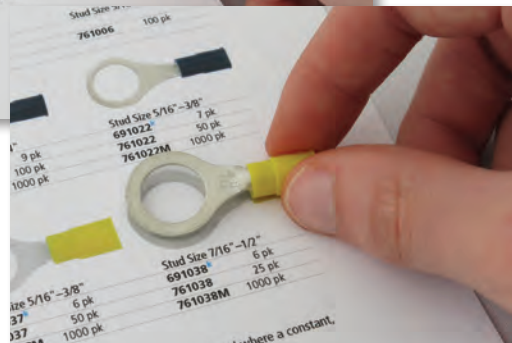
* All terminals were installed on SAE 14GA SXL Wire. The pull test data was based on the average of the sample size.

**ACTUAL
SIZE
PICTURES**

Pictures of terminals & connectors in this section were taken at actual size. To help determine your existing terminal/connector, simply place it on the closest looking picture and match the stud or tab size.



Found it!



Heat Shrink Terminals

Advantages of using "Crimp 'N' Shrink" Heat Shrinkable Terminals and Connectors

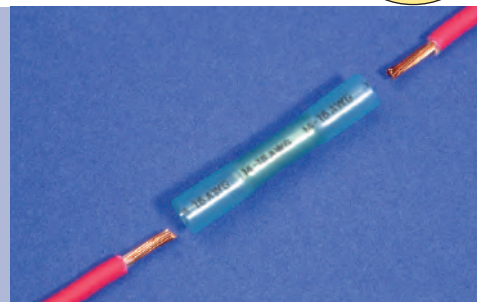
- Translucent, adhesive lined polyolefin tubing allows visual inspection, prevents corrosion, and provides a waterproof seal.
- Provides an easy and highly effective means of insulating and protecting terminal connections and splices against moisture, dirt and corrosion.
- Colour coded tubing with wire gauge imprint provides easy identification of the correct part for the job.
- 600 Volt Rating

See
pages 10-18
for our line of
Crimp 'N' Shrink
Terminals &
Connectors

A

Step 1

Strip Connector Wire



Step 2

Insert



Step 3

Crimp

Use only
with Crimp Tools
designed for
Heat Shrink
Terminals



Step 4

Heat



Flame from Heat
Source should not
touch Heat Shrink
Terminal Tubing



Step 5

Completed Waterproof
Connection



A

Heat Shrink Terminals

c  Where Indicated

Butt Connectors (Crimp 'N' Shrink)



24-22GA

22-18GA

16-14GA

12-10GA



761241 25 pk

Approximate length of tubing: 1.500" c 
 761244 25 pk

Approximate length of tubing: 1.500" c 
 761245 25 pk

Approximate length of tubing: 1.625" c 
 761246 25 pk

761241B 500 pk

761244J 300 pcs/Jar
 761244B 500 pk

761245J 250 pcs/Jar
 761245B 500 pk

761246J 175 pcs/Jar
 761246B 500 pk



761244J



761245J



761246J

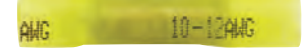
Butt Connectors (Crimp 'N' Shrink) – K-Spec® Series



22-18GA

16-14GA

12-10GA



Approximate length of tubing: 1.250"
 691244 5 pk
 561244 100 pk
 561244J 300 pcs/Jar
 561244D 500 pk

Approximate length of tubing: 1.250"
 691245 5 pk
 561245 100 pk
 561245J 300 pcs/Jar
 561245D 500 pk

Approximate length of tubing: 1.500"
 691246 5 pk
 561246 100 pk
 561246J 200 pcs/Jar
 561246D 500 pk



Butt Connectors (Crimp 'N' Shrink) – Step Down



24-22GA ⇒ 22-18GA

22-18GA ⇒ 16-14GA

16-14GA ⇒ 12-10GA

12-10GA ⇒ 8GA



Approximate length of tubing: 1.500"
 761717 25 pk
 761717B 500 pk

Approximate length of tubing: 1.500" c 
 761718 25 pk
 761718B 500 pk

Approximate length of tubing: 1.625" c 
 761719 25 pk
 761719B 500 pk

Approximate length of tubing: 1.750" c 
 761720 25 pk

Crimp Tools for Heat Shrink Terminals can be found on page 19. Heating tools are on pages 146-147

Heat Shrink Terminals



A

Why Use Fast 'N' Clear Heat Shrink Terminals?

- Shrinks 40% faster than nylon, preventing wire damage and saving you time
- Made of cross-linked ionic polymer with hot melt adhesive liner
- Exceptional clarity for visual confirmation of seal
- Seals and protects against water, corrosive compounds, moisture and contaminants
- Tough, durable, semi-rigid, adhesive lined heat shrink tubing resists abrasion, crimp damage and splitting
- Inner adhesive bonds to plastics, rubbers and metals
- Conforms to OEM wiring specifications for installation and repairs
- Continuous operating temperature: -55°C to +125°C (90°C minimum shrinking temperature)

Where to use Fast 'N' Clear Heat Shrink Terminals?

- Automotive/Trucking repair and maintenance
- Marine electronics and fleet maintenance
- Commercial, electronics and appliance wiring
- Wire to wire splicing
- Environmental protection for crimp connections and terminals

Butt Connectors (Crimp 'N' Shrink) – Fast 'N' Clear Series



28-22GA



Approximate length
of tubing: 1.250"
761237 25 pk
761237B 500 pk

22-18GA



Approximate length
of tubing: 1.500"
761238 25 pk
761238B 500 pk

16-14GA



Approximate length
of tubing: 1.500"
761239 25 pk
761239B 500 pk

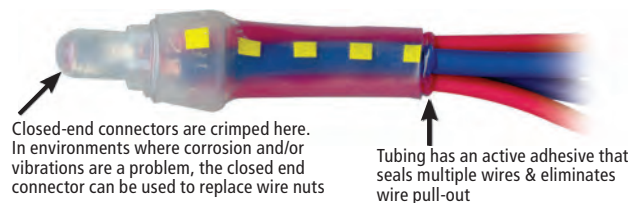
12-10GA



Approximate length
of tubing: 1.750"
761240 25 pk
761240B 500 pk

Closed-End Connectors (Crimp 'N' Shrink)

The best way to join two to four wires together. In addition to the crimp giving a more secure connection, the seal in the heat shrink tubing gives added protection for a longer lasting connection. These connectors can be used in place of Wire Nuts and traditional Closed End Connectors.



Replaces...



22-14GA



Tubing Colour: Clear/Blue Dashes
761725 25 pk
761725B 500 pk

18-10GA



Tubing Colour: Clear/Yellow Dashes
761726 25 pk

A

Heat Shrink Terminals

Ring Terminals (Crimp 'N' Shrink)



Just crimp,
then heat
& seal

22-18GA



Stud Size #8

691700	5 pk
761700	25 pk
761700B	500 pk



Stud Size #10

691701	5 pk
761701	25 pk
761701B	500 pk



Stud Size 1/4"

691702	5 pk
761702	25 pk



Stud Size 5/16"

761703	25 pk
761703B	500 pk



Stud Size 3/8"

761704	25 pk
--------	-------

16-14GA



Stud Size #8

691648	5 pk
761648	25 pk
761648B	500 pk



Stud Size #10

691649	5 pk
761649	25 pk
761649B	500 pk



Stud Size 1/4"

691650	5 pk
761650	25 pk
761650B	500 pk



Stud Size 5/16"

761705	25 pk
761705B	500 pk



Stud Size 3/8"

761651	25 pk
761651B	500 pk

12-10GA



Stud Size #8

691706	5 pk
761706	25 pk



Stud Size #10

691652	5 pk
761652	25 pk
761652B	500 pk



Stud Size 1/4"

691653	5 pk
761653	25 pk
761653B	500 pk



Stud Size 5/16"

691707	5 pk
761707	25 pk
761707B	500 pk



Stud Size 3/8"

691654	5 pk
761654	25 pk
761654B	500 pk



Stud Size 1/2"

761716	25 pk
761716B	500 pk

Heat Shrink Terminals

c  Where Indicated

A

Spade/Fork Terminals (Crimp 'N' Shrink)



22-18GA



Stud Size #8 c 

761708 25 pk
761708B 500 pk



Stud Size #10 c 

691709 5 pk
761709 25 pk
761709B 500 pk

16-14GA



Stud Size #8 c 

761710 25 pk
761710B 500 pk



Stud Size #10 c 

691711 5 pk
761711 25 pk
761711B 500 pk

12-10GA



Stud Size #8 c 

761712 25 pk
761712B 500 pk



Stud Size #10 c 

691713 5 pk
761713 25 pk
761713B 500 pk

Quick Disconnects/Slide Connectors (Crimp 'N' Shrink)



22-18GA



Female quick disconnect
 Fully Insulated, Tab Size 0.25"

691714 5 pk
761714 25 pk
761714B 500 pk



Male quick disconnect
 Fully Insulated, Tab Size 0.25"

691715 5 pk
761715 25 pk
761715B 500 pk

16-14GA



Female quick disconnect
 Fully Insulated, Tab Size 0.25"

691655 5 pk
761655 25 pk
761655B 500 pk



Male quick disconnect
 Fully Insulated, Tab Size 0.25"

691656 5 pk
761656 25 pk
761656B 500 pk

12-10GA



Female quick disconnect
 Fully Insulated, Tab Size 0.25"

691658 5 pk
761658 25 pk
761658B 500 pk



Male quick disconnect
 Fully Insulated, Tab Size 0.25"

691657 5 pk
761657 25 pk
761657B 500 pk

Bullet Connectors (Crimp 'N' Shrink)



16-14GA



Female Snap Receptacle
 0.156" (3.97mm)

691660 5 pk
761660 25 pk
761660B 500 pk



Male Snap Plug
 0.156" (3.97mm)

691659 5 pk
761659 25 pk
761659B 500 pk



Female Snap Receptacle
 0.180" (4.57mm)

761665 25 pk
761665B 500 pk



Male Snap Plug
 0.180" (4.57mm)

761664 25 pk
761664B 500 pk

A

Heat Shrink Terminals

Butt Connectors (Crimp 'N' Shrink) – 'See-Thru' Series



Inspection Window provides visual assurance that:

- The wire is crimped to the connector
- The centre of the barrel is properly crimped
- See through waterproof heat shrink tubing allows for visual inspection throughout the life of the connection

22-18GA



Approximate length
of tubing: 1.500"

761228 25 pk
 761228B 500 pk

16-14GA



Approximate length
of tubing: 1.500"

761229 25 pk
 761229B 500 pk

12-10GA



Approximate length
of tubing: 1.625"

761230 25 pk
 761230B 500 pk

Ring Terminals (Crimp 'N' Shrink) – 'See-Thru' Series



22-18GA



Stud Size #8

*761201 25 pk



Stud Size #10

*761203 25 pk



Stud Size 1/4"

*761204 25 pk



Stud Size 5/16"

*761205 25 pk



Stud Size 3/8"

*761206 25 pk

16-14GA



Stud Size #8

*761207 25 pk



Stud Size #10

*761208 25 pk



Stud Size 1/4"

*761209 25 pk



Stud Size 5/16"

*761210 25 pk



Stud Size 3/8"

*761211 25 pk

12-10GA



Stud Size #8

*761212 25 pk



Stud Size #10

*761214 25 pk



Stud Size 1/4"

*761216 25 pk



Stud Size 5/16"

*761217 25 pk



Stud Size 3/8"

*761218 25 pk



Stud Size 1/2"

*761219 25 pk

Heat Shrink Terminals

Quick Disconnects/Slide Connectors (Crimp 'N' Shrink) – 'See-Thru' Series

22-18GA



Stud Size #10

*761221 25 pk

16-14GA



Stud Size #10

*761223 25 pk

12-10GA



Stud Size #10

*761225 25 pk



Quick Disconnects/Slide Connectors (Crimp 'N' Shrink) – 'See-Thru' Series

22-18GA



Female quick disconnect
Fully Insulated, Tab Size 0.25"

*761226 25 pk



Male quick disconnect
Fully Insulated, Tab Size 0.25"

*761227 25 pk

16-14GA



Female quick disconnect
Fully Insulated, Tab Size 0.25"

*761252 25 pk



Male quick disconnect
Fully Insulated, Tab Size 0.25"

*761253 25 pk



12-10GA



Female quick disconnect
Fully Insulated, Tab Size 0.25"

*761254 25 pk



Male quick disconnect
Fully Insulated, Tab Size 0.25"

*761255 25 pk

Bullet Connectors (Crimp 'N' Shrink) – 'See-Thru' Series

16-14GA



Female Snap Receptacle
0.156" (3.97mm)

*761263 25 pk



Male Snap Plug
0.156" (3.97mm)

*761264 25 pk



Female Snap Receptacle
0.180" (4.57mm)

*761265 25 pk



Male Snap Plug
0.180" (4.57mm)

*761266 25 pk



A

Heat Shrink Terminals

Butt Connectors (Crimp 'N' Shrink) – Automotive Series



- Shrink ratio 3:1
- Adhesive-Lined Heat Shrink Tubing has superior waterproof performance

- Excellent Electrical Conductivity
- Minimum shrink temperature: 130°C
- Approvals UL224, ROHS

- 600 Volt Maximum Rating
- Crimp Tools can be found on page 19
- Heating tools are on pages 146-147

22-18GA



- Maximum Amperage: 5A
- Approximate length of tubing: 1.420" (36mm)

461244X	10 pk
461244C	100 pk
461244J	300 pcs/Jar
461244D	500 pk

16-14GA



- Maximum Amperage: 12.5A
- Approximate length of tubing: 1.420" (36mm)

461245X	10 pk
461245C	100 pk
461245J	250 pcs/Jar
461245D	500 pk

12-10GA



- Maximum Amperage: 30A
- Approximate length of tubing: 1.650" (36mm)

461246X	10 pk
461246C	100 pk
461246J	150 pcs/Jar
461246D	500 pk

8GA



- Maximum Amperage: 40A
- Approximate length of tubing: 1.650" (42mm)

*461226X	10 pk	*NEW
*461226L	50 pk	*NEW
*461226J	100 pcs/Jar	*NEW

Butt Connectors are Available in Jars



*NEW

ARRIVING JULY, 2024



Fork Terminals (Crimp 'N' Shrink) – Automotive Series

22-18GA



Stud Size: #10

*461709X	10 pk
*461709C	100 pk
*461709D	500 pk

16-14GA



Stud Size: #10

*461711X	10 pk
*461711C	100 pk
*461711D	500 pk

12-10GA



Stud Size: #10

*461713X	10 pk
*461713L	50 pk
*461713D	500 pk



Female Quick Disconnect/Slide Connectors (Crimp 'N' Shrink) – Automotive Series

22-18GA



Fully Insulated, Tab Size: 0.25"

*461714X	10 pk
*461714C	100 pk
*461714D	500 pk

16-14GA



Fully Insulated, Tab Size: 0.25"

*461655X	10 pk
*461655C	100 pk
*461655D	500 pk

12-10GA



Fully Insulated, Tab Size: 0.25"

*461658X	10 pk
*461658L	50 pk
*461658D	500 pk

*NEW

ARRIVING JULY, 2024



Male Quick Disconnect/Slide Connectors (Crimp 'N' Shrink) – Automotive Series

22-18GA



Fully Insulated, Tab Size: 0.25"

*461715X	10 pk
*461715C	100 pk
*461715D	500 pk

16-14GA



Fully Insulated, Tab Size: 0.25"

*461656X	10 pk
*461656C	100 pk
*461656D	500 pk

12-10GA



Fully Insulated, Tab Size: 0.25"

*461657X	10 pk
*461657L	50 pk
*461657D	500 pk

*NEW

ARRIVING JULY, 2024



Bullet Connectors (Crimp 'N' Shrink) – Automotive Series

16-14GA



Female Snap Receptacle, 0.156"

*461660X	10 pk
*461660C	100 pk
*461660D	500 pk

16-14GA



Male Snap Receptacle, 0.156"

*461659X	10 pk
*461659C	100 pk
*461659D	500 pk

*NEW

ARRIVING JULY, 2024

Heat Shrink Terminals

Ring Terminals (Crimp 'N' Shrink) – Automotive Series



A

22-18GA



Stud Size #8	
*461700X	10 pk
*461700C	100 pk
*461700D	500 pk



Stud Size #10	
*461701X	10 pk
*461701C	100 pk
*461701D	500 pk



Stud Size 1/4"	
*461702X	10 pk
*461702C	100 pk



Stud Size 5/16"	
*461703X	10 pk
*461703C	100 pk
*461703D	500 pk



Stud Size 3/8"	
*461704X	10 pk
*461704C	100 pk

16-14GA



Stud Size #8	
*461648X	10 pk
*461648C	100 pk
*461648D	500 pk



Stud Size #10	
*461649X	10 pk
*461649C	100 pk
*461649D	500 pk



Stud Size 1/4"	
*461650X	10 pk
*461650C	100 pk
*461650D	500 pk



Stud Size 5/16"	
*461705X	10 pk
*461705C	100 pk



Stud Size 3/8"	
*461651X	10 pk
*461651C	100 pk

12-10GA



Stud Size #8	
*461706X	10 pk
*461706L	50 pk



Stud Size #10	
*461652X	10 pk
*461652L	50 pk
*461652D	500 pk



Stud Size 1/4"	
*461653X	10 pk
*461653L	50 pk
*461653D	500 pk



Stud Size 5/16"	
*461707X	10 pk
*461707L	50 pk



Stud Size 3/8"	
*461654X	10 pk
*461654L	50 pk



Stud Size 1/2"	
*461716X	10 pk
*461716L	50 pk

A

Heat Shrink Terminals

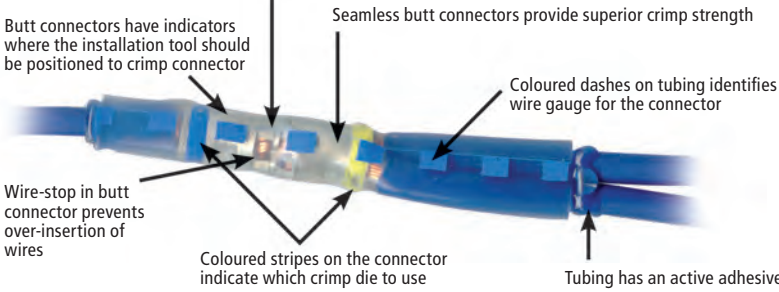
Multi-Wire Butt Connectors (Crimp 'N' Shrink)

The best way to join 2 wires to 1 wire. Provides a seal for a longer lasting connection between multiple wire connections. These connectors can be used in place of tying wires to each other, 3-Way connectors and Tap Splices. See for yourself!

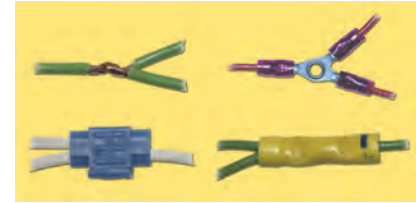


Advantages of using our NEW Multi-Wire Crimp

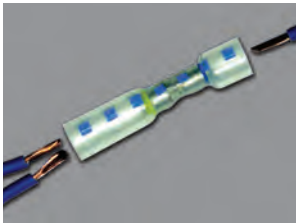
Window in butt connector and clear tubing allows for visual inspection to ensure all wires are fully inserted



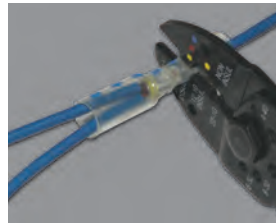
Replaces...



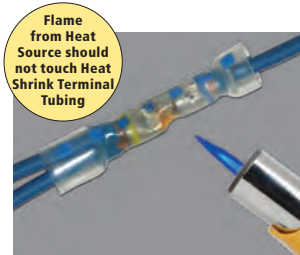
Easy to Install:



1. Strip Wires & Insert



2. Crimp Connector with Inserted Wires



3. Heat



4. Completed Waterproof Splice

24-22GA



761721 25 pk



22-18GA



761722 25 pk 
 761722B 500 pk

16-14GA



761723 25 pk 

12-10GA



761724 25 pk 
 761724B 500 pk

Multi-Wire Butt Connectors

25 PCS/PK	500 PCS/PK	Wire Gauge	Colour of Tubing	Accepts Wire(s)		Colour Stripe on Connector	Crimp with:
761721		24-22GA	Clear with White dashes	Side 1:	1 x 24-22GA	White	White (24-22GA)
				Side 2:	2 x 24-22GA	Red	Red (22-18GA)
761722	761722B	22-18GA	Clear with Red dashes	Side 1:	1 x 20-18GA	Red	Red (22-18GA)
				Side 2:	2 x 20-18GA	Blue	Blue (16-14GA)
761723		16-14GA	Clear with Blue dashes	Side 1:	1 x 16-14GA	Blue	Blue (16-14GA)
				Side 2:	2 x 16-14GA	Yellow	Yellow (12-10GA)
761724	761724B	12-10GA	Clear with Yellow dashes	Side 1:	1 x 12-10GA	Yellow	Yellow (12-10GA)
				Side 2:	2 x 12-10GA	Red	Red (8GA)

Crimp Tools for Heat Shrink Terminals can be found on page 19. Heating tools are on pages 146-147

Heat Shrink Terminals

Ratchet Crimp Tool for Heat Shrinkable Terminals & Connectors – 8-5/8" Long



***761810** High quality ergonomic ratchet crimp tool that is especially built for crimpable heat shrink terminals contains an alignment guide to ensure dies do not slip while crimping. 4 nested dies allow crimping of wire sizes 22-18GA, 16-14GA, 12-10GA and 8GA and will ensure a uniform crimp. Approximate length: 8.86" (225mm)



***761810** Ratchet Crimp Tool for Heat Shrinkable Terminals & Connectors

'RAT' Tool – Heat Shrinkable Terminals & Connectors – 10-1/4" Long

761802 This tool crimps all crimpable heat shrinkable terminals and connectors with a single crimp. The triple nested die allows crimping of wire sizes 22-18GA, 16-14GA and 12-10GA 'RAT' Ratchet tool ensures a sure crimp every time. Length: 10-1/4" (260.35mm)



761802 'RAT' Tool – Heat Shrinkable Terminals and Connectors

Ratchet Crimp Tool for Heat Shrinkable Terminals & Connectors – 10-3/4" Long

761808 High quality ergonomic ratchet crimp tool that is especially built for crimpable heat shrink terminals contains an alignment guide to ensure dies do not slip while crimping. Tool also contains a built-in release switch in case terminal or wire isn't inserted properly. 4 nested dies allow crimping of wire sizes 22-18GA, 16-14GA, 12-10GA and 8GA and will ensure a uniform crimp. Length: 10-3/4" (273.05mm)



761808 Crimp Tool for Heat Shrink Terminals

Crimping Tools For Heat Shrinkable Terminals & Connectors

Only specialty tools designed to crimp Heat Shrink Terminals should be used in the Crimping process. *Never use pliers or other general purpose tools to crimp Heat Shrink Terminals.*



A

Heat Shrink Terminals



***463002** 1062 pc Heat Shrink Terminal Assortment (Automotive Series) – ‘Flip’ Kit

Heat Shrink Terminal Assortment Kits

Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

Heat Shrink Terminal Assortment (Automotive Series) – ‘Flip’ Kit (Complete with Crimp Tool & Torch)

***463002** This assortment contains 1062 pieces of the most popular Heat Shrink Terminals & Connectors, as well as a specialty Crimp Tool and Torch.

Kit Contents:

Part#	Description	Qty	Part#	Description	Qty
461226L	Butt Splice 8GA Red	10 pcs	461657L	Male Slide/Quick Disc. 12-10GA Yellow 1/4"	50 pcs
461244C	Butt Splice 22-18GA Red	100 pcs	461658L	Female Slide/Quick Disc. 12-10GA Yellow 1/4"	50 pcs
461245C	Butt Splice 16-14GA Blue	100 pcs	461659C	Male Bullet Plug 16-14GA Blue .156"	50 pcs
461246C	Butt Splice 12-10GA Yellow	50 pcs	461660C	Female Bullet Receptacle 16-14GA Blue .156"	50 pcs
461648C	Ring 16-14GA Blue #8	50 pcs	461705C	Ring 16-14GA Blue 5/16"	50 pcs
461649C	Ring 16-14GA Blue #10	50 pcs	461714C	Female Slide/Quick Disc. 22-18GA Red 1/4"	50 pcs
461650C	Ring 16-14GA Blue 1/4"	50 pcs	461715C	Male Slide/Quick Disc. 22-18GA Red 1/4"	50 pcs
461651C	Ring 16-14GA Blue 3/8"	50 pcs	761810	Compact Crimp Tool for Terminals 22-8GA	1 ea
461652L	Ring 12-10GA Yellow #10	50 pcs	762102	Compact 'Lighter-Style' Torch	1 ea
461653L	Ring 12-10GA Yellow 1/4"	50 pcs			
461654L	Ring 12-10GA Yellow 3/8"	50 pcs			
461655C	Female Slide/Quick Disc. 16-14GA Blue 1/4"	50 pcs			
461656C	Male Slide/Quick Disc. 16-14GA Blue 1/4"	50 pcs			



***463005** 1310 pc Heat Shrink Terminal Assortment (Automotive Series) – ‘Flip’ Kit

Heat Shrink Terminal Assortment (Automotive Series) – ‘Flip’ Kit

***463005** This assortment contains 1310 pieces of widely used Heat Shrink Terminals.

Kit Contents:

Part#	Description	Qty	Part#	Description	Qty
461226L	Butt Splice 8GA Red	10 pcs	461658L	Female Slide/Quick Disc. 12-10GA Yellow 1/4"	50 pcs
461244C	Butt Splice 22-18GA Red	100 pcs	461659C	Male Bullet 16-14GA Blue .156"	50 pcs
461245C	Butt Splice 16-14GA Blue	100 pcs	461660C	Female Bullet 16-14GA Blue .156"	50 pcs
461246C	Butt Splice 12-10GA Yellow	50 pcs	461700C	Ring 22-18GA Red #8	50 pcs
461648C	Ring 16-14GA Blue #8	50 pcs	461701C	Ring 22-18GA Red #10	50 pcs
461649C	Ring 16-14GA Blue #10	50 pcs	461702C	Ring 22-18GA Red 1/4"	50 pcs
461650C	Ring 16-14GA Blue 1/4"	50 pcs	461705C	Ring 16-14GA Blue 5/16"	50 pcs
461651C	Ring 16-14GA Blue 3/8"	50 pcs	461707L	Ring 12-10GA Yellow 5/16"	50 pcs
461652L	Ring 12-10GA Yellow #10	50 pcs	461714C	Female Slide/Quick Disc. 22-18GA Red 1/4"	50 pcs
461653L	Ring 12-10GA Yellow 1/4"	50 pcs	461715C	Male Slide/Quick Disc. 22-18GA Red 1/4"	50 pcs
461654L	Ring 12-10GA Yellow 3/8"	50 pcs	461716L	Ring 12-10GA Yellow 1/2"	50 pcs
461655C	Female Slide/Quick Disc. 16-14GA Blue 1/4"	50 pcs			
461656C	Male Slide/Quick Disc. 16-14GA Blue 1/4"	50 pcs			
461657L	Male Slide/Quick Disc. 12-10GA Yellow 1/4"	50 pcs			

Heat Shrink Terminals

Heat Shrink Terminal Assortment Kits

121 Piece Crimp 'N' Shrink Terminal 'Mini Flip Kit' (with Torch)

763002 This handy assortment kit comes complete with 121 pieces of 12 widely used Crimp 'N' Shrink Terminals and Connectors with a compact, 'lighter'-style heat torch... all in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H.

Kit Contents:

Part#	Description	Qty
761244	Butt Splice Crimp/Shrink 22-18GA	10 pcs
761245	Butt Splice Crimp/Shrink 16-14GA	10 pcs
761246	Butt Splice Crimp/Shrink 12-10GA	10 pcs
761649	Ring Crimp/Shrink 16-14GA #10	10 pcs
761650	Ring Crimp/Shrink 16-14GA 1/4"	10 pcs
761652	Ring Crimp/Shrink 12-10GA #10	10 pcs
761654	Ring Crimp/Shrink 12-10GA 3/8" 25pk	10 pcs
761655	Slide Fem Crimp/Shrink 16-14GA 1/4"	10 pcs
761656	Slide Male Crimp/Shrink 16-14GA 1/4"	10 pcs
761659	Bullet Male Crimp/Shrink 16-14GA .156"	10 pcs
761660	Bullet Fem Crimp/Shrink 16-14GA .156"	10 pcs
761701	Ring Crimp/Shrink 20-18GA #10	10 pcs
762102	Torch Compact Lighter' Style	1 ea



763002 Crimp 'N' Shrink Terminal Assortment Kit in a Plastic Storage Tray (with Torch)

115 Piece Crimp 'N' Shrink Terminal 'Mini Flip Kit'

763005 This handy assortment kit comes complete with 115 pieces of 12 widely used Crimp 'N' Shrink Terminals and Connectors in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H

Kit Contents:

Part#	Description	Qty
761241	Butt Splice Crimp/Shrink 24-22GA	5 pcs
761244	Butt Splice Crimp/Shrink 22-18GA	20 pcs
761245	Butt Splice Crimp/Shrink 16-14GA	30 pcs
761246	Butt Splice Crimp/Shrink 12-10GA	20 pcs
761649	Ring Crimp/Shrink 16-14GA #10	5 pcs
761650	Ring Crimp/Shrink 16-14GA 1/4"	5 pcs
761651	Ring Crimp/Shrink 16-14GA 3/8"	5 pcs
761652	Ring Crimp/Shrink 12-10GA #10	5 pcs
761653	Ring Crimp/Shrink 12-10GA 1/4"	5 pcs
761655	Slide Fem Crimp/Shrink 16-14GA 1/4"	5 pcs
761656	Slide Male Crimp/Shrink 16-14GA 1/4"	5 pcs
761701	Ring Crimp/Shrink 20-18GA #10	5 pcs



763005 Crimp 'N' Shrink Terminal Assortment Kit in a Plastic Storage Tray

A

Solder/Shrink Terminals & Connectors

Advantages of using "Solder/Shrink" Terminals and Connectors

- Translucent, adhesive lined polyolefin tubing allows visual inspection, prevents corrosion, and provides a waterproof seal.
- Colour coded tubing with wire gauge imprint provides easy identification of the correct part for the job.
- A soldered connection provides superior electrical current flow and tensile strength.
- Easy installation with pre-measured solder—eliminates the crimping process.



Flame from Heat Source should not touch Heat Shrink Terminal Tubing

See page 23 for our line of Solder/Shrink Terminals & Connectors



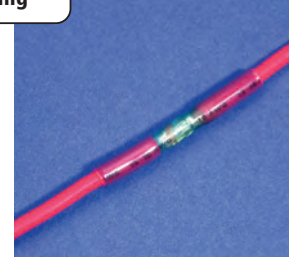
1. Join Connecting Wires



2. Insert



3. Heat



4. Superior Electrical Connection with Waterproof Seal

Crimp/Solder/Shrink Terminals & Connectors

Provides the ultimate electrical connection in three easy steps.

Meets or exceeds the most stringent OEM standards.

Here's how...

Crimp

- Mechanically Reliable
- Easy to Install

Solder

- Additional Strength
- Better Conductivity

Shrink

- Durable Insulation
- Watertight Connection
- Transparent Tubing for Visual Inspection
- Provides a Seal Against Corrosion

See pages 24-25 for our line of Crimp/Solder/Shrink Terminals & Connectors



1. Insert



2. Crimp

Use only with Crimp Tools designed for Heat Shrink Terminals



Flame from Heat Source should not touch Heat Shrink Terminal Tubing



3. Heat



4. Ultimate Electrical Connection with Waterproof Seal

Solder/Shrink Terminals & Connectors

The solder splice connectors consist of a fluxed solder ring with a heat shrinkable insulation sleeve which, when heated, provides a completely soldered, strain relieved, and encapsulated termination. Heating tools can be found pages 146-147

c  Where Indicated

A

Butt Connectors (Solder/Shrink)



22-22GA



c 

761670 25 pk
761670B 500 pk

22-18GA



691671 5 pk c 

761671 25 pk
761671B 500 pk

16-14GA



691672 5 pk c 

761672 25 pk
761672B 500 pk

12-10GA



691673 5 pk c 

761673 25 pk
761673B 500 pk

Ring Terminals (Solder/Shrink)



22-18GA



Stud Size #6 c 

761674 25 pk
761674B 500 pk



Stud Size #8 c 

761675 25 pk
761675B 500 pk



Stud Size #10 c 

761676 25 pk



Stud Size 12-1/4" c 

761677 25 pk

16-14GA



Stud Size #8 c 

761678 25 pk
761678B 500 pk



Stud Size #10 c 

761679 25 pk
761679B 500 pk



Stud Size 12-1/4" c 

761680 25 pk
761680B 500 pk



Stud Size 3/8" c 

761681 25 pk

12-10GA



Stud Size #10 c 

761682 25 pk
761682B 500 pk



Stud Size 12-1/4" c 

761683 25 pk
761683B 500 pk



Stud Size 3/8" c 

761684 25 pk
761684B 500 pk



Stud Size 1/2" c 

761685 25 pk

Spade/Fork Terminals (Solder/Shrink)



22-18GA



Stud Size #10 c 

761686 25 pk
761686B 500 pk

16-14GA



Stud Size #10 c 

761687 25 pk
761687B 500 pk

12-10GA



Stud Size #10 c 

761688 25 pk

Quick Disconnects/Slide Connectors (Solder/Shrink)



22-18GA



Tab Size 0.25" Female

761689 25 pk
761689B 500 pk

16-14GA



Tab Size 0.25" Female

761691 25 pk

12-10GA



Tab Size 0.25" Female

761693 25 pk
761693B 500 pk

22-18GA



Tab Size 0.25" Male

761690 25 pk
761690B 500 pk

16-14GA



Tab Size 0.25" Male

761692 25 pk
761692B 500 pk

12-10GA



Tab Size 0.25" Male

761694 25 pk
761694B 500 pk

A

Crimp/Solder/Shrink Terminals & Connectors

The ultimate Electrical Connection. Crimp for maximum reliability, solder for strength and conductivity and seal for superior durability. Meets or exceeds the most stringent OEM standards. Crimp tools for Heat Shrink Terminals can be found on page 19. Heating tools can be found pages 146-147

Butt Connectors (Crimp/Solder/Shrink)



24-22GA

22-18GA

16-14GA

12-10GA



761753 25 pk
761753B 500 pk

761750 25 pk
761750B 500 pk

761751 25 pk
761751B 500 pk

761752 25 pk
761752B 500 pk

Ring Terminals (Crimp/Solder/Shrink)



22-18GA



Stud Size #6
761767 25 pk
761767B 500 pk

Stud Size #8
761768 25 pk

Stud Size #10
761769 25 pk



Stud Size 1/4"
761770 25 pk

Stud Size 5/16"
761771 25 pk
761771B 500 pk

Stud Size 3/8"
761772 25 pk
761772B 500 pk

16-14GA



Stud Size #6
761764 25 pk
761764B 500 pk

Stud Size #8
761762 25 pk
761762B 500 pk

Stud Size #10
761754 25 pk
761754B 500 pk



Stud Size 1/4"
761755 25 pk
761755B 500 pk

Stud Size 5/16"
761760 25 pk
761760B 500 pk

Stud Size 3/8"
761758 25 pk
761758B 500 pk

12-10GA



Stud Size #6
761765 25 pk

Stud Size #8
761763 25 pk

Stud Size #10
761756 25 pk
761756B 500 pk



Stud Size 1/4"
761757 25 pk
761757B 500 pk

Stud Size 5/16"
761761 25 pk

Stud Size 3/8"
761759 25 pk
761759B 500 pk

Stud Size 1/2"
761766 25 pk
761766B 500 pk

Crimp/Solder/Shrink Terminals & Connectors

c  Where Indicated

A

Spade/Fork Terminals (Crimp/Solder/Shrink)



22-18GA



Stud Size #6
761779 25 pk
761779B 500 pk



Stud Size #8
761782 25 pk



Stud Size #10
761785 25 pk

16-14GA



Stud Size #6
761780 25 pk



Stud Size #8
761783 25 pk



Stud Size #10
761786 25 pk

12-10GA



Stud Size #6
761781 25 pk



Stud Size #8
761784 25 pk
761784B 500 pk



Stud Size #10
761787 25 pk

Quick Disconnects/Slide Connectors (Crimp/Solder/Shrink)



22-18GA



Female quick disconnect
 Fully Insulated, Tab Size: 0.25"
761773 25 pk

16-14GA



Female quick disconnect
 Fully Insulated, Tab Size: 0.25"
761774 25 pk
761774B 500 pk

12-10GA



Female quick disconnect
 Fully Insulated, Tab Size: 0.25"
761775 25 pk

22-18GA



Male quick disconnect
 Tab Size: 0.25"
761776 25 pk

16-14GA



Male quick disconnect
 Tab Size: 0.25"
761777 25 pk
761777B 500 pk

12-10GA



Male quick disconnect
 Tab Size: 0.25"
761778 25 pk

A

Nylon Insulated Terminals & Connectors

Terminals and connectors with tin plated annealed copper construction are specifically designed for heavy-duty applications where both high temperatures and vibration levels are encountered. Nylon sleeves offer maximum crimp strength; many nylon terminals are double crimp style, one crimp on the bare wire for connection and one crimp on the wire insulation. Operating temperatures: -55°C to 105°C. 600 Volt rating. Crimp tools can be found on pages 47-49



Professional Packs



Cost-Saving Bulk Pack

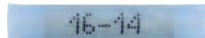
Nylon Insulated Butt Connectors

22-18GA



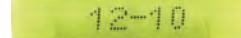
691497	10 pk
761497	100 pk
761497M	1000 pk

16-14GA



691498	10 pk
761498	100 pk
761498M	1000 pk

12-10GA



691513	8 pk
761513	100 pk
761513M	1000 pk

Nylon Insulated Quick Disconnects/Slide Connectors

22-18GA



Female quick disconnect	
Fully Insulated, Tab Size 0.187"	
761321	100 pk
761321M	1000 pk



Male quick disconnect	
Fully Insulated, Tab Size 0.187"	
761320	100 pk
761320M	1000 pk



Female quick disconnect	
Fully Insulated, Tab Size 0.25"	
761354	50 pk
761354M	1000 pk



Male quick disconnect	
Fully Insulated, Tab Size 0.25"	
761353	50 pk
761353M	1000 pk

16-14GA



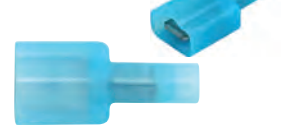
Female quick disconnect	
Fully Insulated, Tab Size 0.187"	
761323	100 pk
761323M	1000 pk



Male quick disconnect	
Fully Insulated, Tab Size 0.187"	
761322	100 pk



Female quick disconnect	
Fully Insulated, Tab Size 0.25"	
691357	5 pk
761357	50 pk
761357M	1000 pk



Male quick disconnect	
Fully Insulated, Tab Size 0.25"	
691358	5 pk
761358	50 pk
761358M	1000 pk

12-10GA



Female quick disconnect	
Fully Insulated, Tab Size 0.25"	
691623	7 pk
761623	50 pk
761623M	1000 pk

Male quick disconnect	
Fully Insulated, Tab Size 0.25"	
691621	7 pk
761621	50 pk
761621M	1000 pk

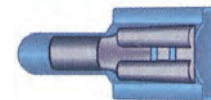
16-14GA



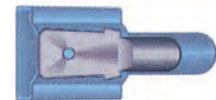
Female quick disconnect	
Tab Size 0.25"	
761444	100 pk
761444M	1000 pk

Male quick disconnect	
Tab Size 0.25"	
761445	100 pk
761445M	1000 pk

A look inside Fully Insulated Quick Disconnect/Slide Connector



Female quick disconnect



Male quick disconnect

12-10GA



Female quick disconnect	
Tab Size 0.25"	
761496	50 pk

Male quick disconnect	
Tab Size 0.25"	
761495	50 pk

Nylon Insulated Terminals & Connectors

A

Nylon Insulated Ring Terminals 22-18GA



					
Stud Size #6	Stud Size #8	Stud Size #10	Stud Size 1/4"	Stud Size 5/16"	Stud Size 3/8"
761482 100 pk	761480 100 pk	761483 100 pk	761484 100 pk	761481 50 pk	761485 50 pk
761482M 1000 pk		761483M 1000 pk			

16-14GA

					
Stud Size #6	Stud Size #8	Stud Size #10	Stud Size 1/4"	Stud Size 5/16"	Stud Size 3/8"
761486 100 pk	761487 100 pk	691488 10 pk	691489 10 pk	761491 50 pk	761490 50 pk
761486M 1000 pk	761487M 1000 pk	761488M 1000 pk	761489M 1000 pk		761490M 1000 pk

12-10GA

		
Stud Size #8	Stud Size #10	Stud Size 1/4"
761500 50 pk	691502 6 pk	691503 6 pk
	761502 50 pk	761503 50 pk
	761502M 1000 pk	761503M 1000 pk

		
Stud Size 5/16"	Stud Size 3/8"	Stud Size 1/2"
761501 50 pk	761504 50 pk	761505 25 pk
	761504M 1000 pk	761505M 1000 pk

Nylon Insulated Heavy-Duty Ring Terminals

16-14GA

	
Stud Size 12-1/4"	Stud Size 5/16"-3/8"
761518 50 pk	761519 50 pk
761518M 1000 pk	761519M 1000 pk

Nylon Insulated Heavy-Duty Spade/Fork Terminals

16-14GA


Stud Size 8-10
761492 100 pk
761492M 1000 pk

12-10GA


Stud Size 8-10
761507 50 pk
761507M 1000 pk

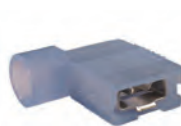
Nylon Insulated Female Flag Connectors

22-14GA



.25" Tab Size
762407 100 pk
762407M 1000 pk

16-14GA



.25" Tab Size
762408 100 pk
762408M 1000 pk

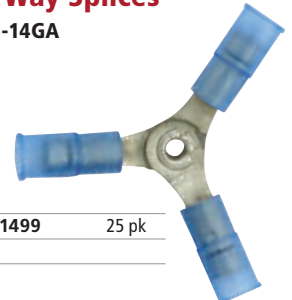
12-10GA



.25" Tab Size
762409 100 pk
762409M 1000 pk

Nylon Insulated 3-Way Splices

16-14GA



761499 25 pk

A

Nylon Terminals & Connectors/Screw-On Wire Connectors

Nylon Insulated Closed End Connectors

22-14GA



761291 100 pk
 761291M 1000 pk

16-10GA



691292 8 pk
 761292 50 pk
 761292M 1000 pk

8GA



761305 25 pk
 761305M 1000 pk

Screw-On Wire Connectors

- UL 486C Listed and CSA Certified
- Plastic cap molded of tough thermoplastic UL 94V-2 flame-retardant material
- Five colour-coded to industry standards
- Socket tools are available for easy installation of wire connectors
- Temperature Rating 105°C (221°F)



Copper Solid and Stranded Wire Only

761699

761698

761697

761696

761695

Colour	Industry #	Maximum Voltage	10 PCS/PK	50 PCS/PK	100 PCS/PK	500 PCS/PK	1000 PCS/PK	Wire Range and Rating		
								Range	Minimum	Maximum
Grey	TN29	300V			761695		761695M	22-14GA	2 x 22GA	1 x 16GA with 1 x 18GA with 1 x 20GA
Blue	TN30	300V			761696		761696M	22-14GA	2 x 22GA	3 x 16GA
Orange	TN31	600V†	691697		761697	761697B		22-14GA	1 x 18GA with 1 x 20GA	4 x 16GA with 1 x 20GA
Yellow	TN33	600V†	691698		761698	761698B		22-10GA	3 x 20GA	1 x 10GA with 2 x 14GA with 1 x 16GA
Red	TN35	600V†	691699	761699		761699B		22-8GA	3 x 18GA	3 x 10GA

† Maximum 1000 Volts in lighting fixtures and signs

475 Piece Screw-On Wire Connectors' Mini Flip Kit

761669 This handy assortment kit comes complete with 475 Screw-On Wire Connectors (5 types in all) in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H



Kit Contents:

Part#	Description	Qty
761695	Wire Connector Screw-On (TN29) Grey	150 pcs
761696	Wire Connector Screw-On (TN30) Blue	100 pcs
761697	Wire Connector Screw-On (TN31) Orange	150 pcs
761698	Wire Connector Screw-On (TN33) Yellow	50 pcs
761699	Wire Connector Screw-On (TN35) Red	25 pcs

PVC Insulated Terminals & Connectors

Now You Have a Choice! You Choose the Features You Need!



A

Feature	Professional	Standard	Benefit
Maximum Temperature Rating	90°C	75°C	Better in hot engine compartments
Thicker Barrel	✓		Better conductivity & pull-out strength
Longer Barrel	✓		Better conductivity. Easier to crimp (Faster install)
Longer Tongue	✓		Better Electrical Contact
Safety Ears	✓		'Sure-Fit' Insertion
Longer Skirt	✓		Better flex protection. Superior Insulation
Serrated Barrels	✓		Superior wire pull-out
Wider Funnel Entry	✓		Better, easier and faster wire insertion (less likely for wire strands to bend back)

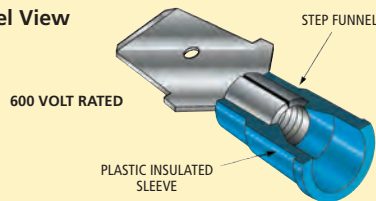
Professional 76-Series

(pages 24-29)

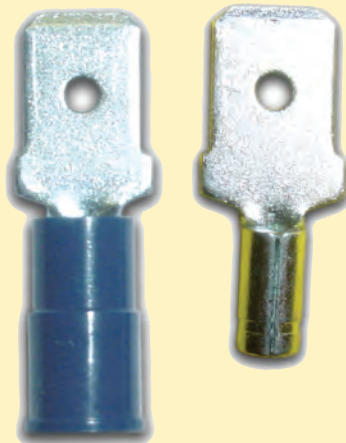
Top View



Funnel View



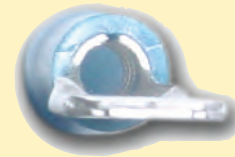
Flat View



Standard 56-Series

(pages 30-35)

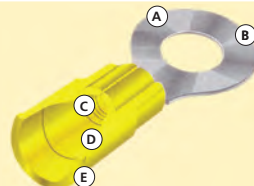
Top View



Flat View



Other Features & Benefits

Professional 76-Series		Feature	Benefit
	A	Tin plated Copper	• Superior resistance to corrosion • Maximum conductivity
	B	Clearly Marked Wire Gauges	• Less chance of incorrect application
	C	Serrated Barrels	• Superior wire "pullout" strength
	D	Funnel Entry	• Faster & safer wire insertion
	E	Long Insulation Skirt	• Better flex protection

Stud Information

Stud Size	Stud or Bolt Diameter		Thru Hole Diameter	
4	.112"	2.8mm	.117"-.123"	3.0-3.1mm
6	.138"	3.5mm	.143"-.149"	3.6-3.8mm
8	.164"	4.2mm	.170"-.176"	4.3-4.5mm
10	.190"	4.8mm	.195"-.201"	5.0-5.1mm
12	.216"	5.5mm	.221"-.227"	5.6-5.8mm
1/4"	.250"	6.35mm	17/64"	6.7mm
5/16"	.312"	7.9mm	21/64"	8.3mm
3/8"	.375"	9.5mm	25/64"	9.9mm
1/2"	.500"	12.7mm	33/64"	13.1mm

A

PVC Insulated Terminals & Connectors (Professional Series)

Insulated terminals and connectors feature a rigid insulation sleeve of polyvinyl chloride (PVC). Sleeves are permanently affixed to the conductive barrel, providing quick crimping. The tough plastic sleeve protects against vibration damage by preventing wire flex at the crimp point. Operating temperatures: -55°C to 90°C. 600 Volt rating. Crimp Tools can be found on pages 47-49

PVC Insulated Ring Terminals (Professional Series)

22-18GA



Stud Size 4-6
761000 100 pk
761000M 1000 pk



Stud Size 8-10
761003 100 pk
761003M 1000 pk



Stud Size 12-1/4"
761004 100 pk
761004M 1000 pk



Stud Size 5/16"-3/8"
761006 100 pk

16-14GA



Stud Size 4-6
761016 100 pk
761016M 1000 pk



Stud Size 6-8
761018 100 pk
761018M 1000 pk



Stud Size 8-10
761019 100 pk
761019M 1000 pk



Stud Size 12-1/4"
761020 100 pk
761020M 1000 pk



Stud Size 5/16"-3/8"
761022 50 pk
761022M 1000 pk

12-10GA



Stud Size 4-6
761032 50 pk



Stud Size 8-10
761034 50 pk
761034M 1000 pk



Stud Size 12-1/4"
761035 50 pk
761035M 1000 pk



Stud Size 5/16"-3/8"
761037 50 pk
761037M 1000 pk



Stud Size 7/16"-1/2"
761038 25 pk
761038M 1000 pk

8GA



Stud Size #10
761603 25 pk
761603M 1000 pk



Stud Size 1/4"
761600 25 pk
761600M 1000 pk



Stud Size 5/16"
761602 25 pk
761602M 1000 pk



Stud Size 3/8"
761601 25 pk



Stud Size 1/2"
761604 25 pk

6GA



Stud Size #10
761605 25 pk
761605M 1000 pk



Stud Size 1/4"
761610 25 pk
761610M 1000 pk



Stud Size 5/16"
761612 25 pk
761612M 1000 pk



Stud Size 3/8"
761611 25 pk



Stud Size 1/2"
761023 25 pk
761023M 1000 pk

PVC Insulated Terminals & Connectors (Professional Series)

A

PVC Insulated Ring Terminals (Professional Series)



4GA



Stud Size #10
761040 25 pk



Stud Size 1/4"
761041 25 pk



Stud Size 5/16"
761042 25 pk



Stud Size 3/8"
761043 25 pk



Stud Size 1/2"
761044 25 pk
761044B 500 pk

PVC INSULATED TERMINALS, HEAVY-DUTY (PROFESSIONAL SERIES)

Material thickness on heavy-duty terminals is considerably greater than on standard-duty terminals. Heavy-duty terminals are employed where a constant, heavy vibration is a factor, as in off-the road equipment, mining and farming machinery.

16-14GA



Standard-duty
 .032" (.81mm) stock

12-10GA



Standard-duty
 .040" (1.02mm) stock

16-14GA



Heavy-duty
 .050" (1.27mm) stock

PVC Insulated Heavy-Duty Ring Terminals (Professional Series)



16-14GA



Stud Size 8-10
761297 50 pk
761297M 1000 pk



Stud Size 12-1/4"
761298 50 pk
761298M 1000 pk



Stud Size 5/16"-3/8"
761299 50 pk
761299M 1000 pk



Stud Size 7/16"-1/2"
761304 25 pk
761304M 1000 pk

PVC Insulated Heavy-Duty Spade/Fork Terminals (Professional Series)



16-14GA



Stud Size 8-10
761301 50 pk

A

PVC Insulated Terminals & Connectors (Professional Series)

PVC Insulated Butt Connectors (Professional Series)

22-18GA



761231 100 pk
761231M 1000 pk

16-14GA



761232 100 pk
761232M 1000 pk

12-10GA



761233 50 pk
761233M 1000 pk

8-10GA



761469 25 pk
761469M 1000 pk

6GA



761235 25 pk

4GA



761236 25 pk

PVC Insulated Parallel Connectors (Professional Series)

16-14GA



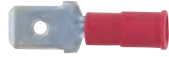
761242 100 pk
761242M 1000 pk

PVC Insulated Quick Disconnects/Slide Connectors (Professional Series)

22-18GA



Female quick disconnect
Vinyl Insulation, Tab Size 0.25"
761352 100 pk
761352M 1000 pk



Male quick disconnect
Vinyl Insulation, Tab Size 0.25"
761351 100 pk
761351M 1000 pk

16-14GA



Female quick disconnect
Vinyl Insulation, Tab Size 0.25"
761355 100 pk
761355M 1000 pk



Male quick disconnect
Vinyl Insulation, Tab Size 0.25"
761356 100 pk
761356M 1000 pk

12-10GA



Female quick disconnect
Vinyl Insulation, Tab Size 0.25"
762093 25 pk
762093M 1000 pk



Male quick disconnect
Vinyl Insulation, Tab Size 0.25"
762115 25 pk
762115M 1000 pk

PVC Insulated Piggy Back Connectors (Professional Series)

22-18GA



.250" Tab Size
762415 100 pk
762415M 1000 pk

16-14GA



.250" Tab Size
762416 100 pk
762416M 1000 pk

12-10GA



.250" Tab Size
762399 100 pk

PVC Insulated Terminals & Connectors (Professional Series)

A

PVC Insulated Spade/Fork Terminals (Professional Series)



22-18GA



Stud Size 4-6
761048 100 pk
761048M 1000 pk



Stud Size 4-6 Flanged
761316 100 pk
761316M 1000 pk



Stud Size 8-10
761050 100 pk
761050M 1000 pk



Stud Size 8-10 Flanged
761318 100 pk
761318M 1000 pk

16-14GA



Stud Size 4-6
761061 100 pk
761061M 1000 pk



Stud Size 4-6 Flanged
761326 100 pk
761326M 1000 pk



Stud Size 8-10
761063 100 pk
761063M 1000 pk



Stud Size 8-10 Flanged
761328 100 pk
761328M 1000 pk

12-10GA



Stud Size 4-6
761074 50 pk
761074M 1000 pk



Stud Size 8-10 Flanged
761336 50 pk
761336M 1000 pk



Stud Size 8-10
761076 50 pk
761076M 1000 pk

PVC Insulated Hook Terminals (Professional Series)



22-18GA



Stud Size 8-10
761199 100 pk

16-14GA



Stud Size 4-6
761200 100 pk
761200M 1000 pk



Stud Size 8-10
761202 100 pk
761202M 1000 pk

12-10GA



Stud Size 4-6
761213 100 pk



Stud Size 8-10
761215 100 pk
761215M 1000 pk



Professional Pack



Cost-Saving Bulk Pack

A

PVC Insulated Terminals & Connectors (Professional Series)

PVC Insulated Bullet Connectors (Professional Series)



22-18GA



.156" Female Receptacle

(Fits one 761247 Plug)

761248 100 pk

761248M 1000 pk



.156" Male Snap Plug

761247 100 pk

761247M 1000 pk



.180" Female Receptacle

(Fits one 761249 Plug)

761250 100 pk

761250M 1000 pk



.180" Male Snap Plug

761249 100 pk

761249M 1000 pk

16-14GA



.156" Female Receptacle

(Fits one 761251 Plug)

761289 100 pk

761289M 1000 pk



.156" Male Snap Plug

761251 100 pk

761251M 1000 pk



.180" Female Receptacle

(Fits one 761256 Plug)

761662 50 pk

761662M 1000 pk



.180" Male Snap Plug

691256 7 pk

761256 100 pk

761256M 1000 pk

16-14GA



T-Tap Connector

(Joins one 761251)

691288 2 pk

761288 25 pk

PVC Insulated Instant Connectors (Professional Series)



22-18GA



Tap Splice-Red

761370 25 pk

761370B 500 pk

16-14GA



Tap Splice-Blue

761371 25 pk

761371B 500 pk

12-10GA



Tap Splice-Yellow

761372 10 pk

761372B 200 pk

18-10GA



Tap Splice-Brown

761373 25 pk

761373B 500 pk

18-14GA



Parallel Splice-Beige

761376 25 pk

761376M 1000 pk

18-14GA



Female T-Tap quick slide
(mates with 761358)

761234 25 pk

761234M 1000 pk

Moisture-Resistant Tap Connector, Gel Filled

18-14GA



Makes connections easier and faster with no cutting or stripping, where protection from the environment is required.

761375 25 pk

761375B 500 pk

PVC Insulated Terminals & Connectors (Professional Series)

PVC Insulated 3-Way/4-Way Splices (Professional Series)



A

16-14GA

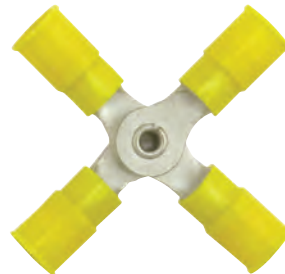


3-way Splice

4-way Splice

691281	3 pk		
761281	25 pk	761282	25 pk

12-10GA



3-way Splice

4-way Splice

761286	25 pk	761287	25 pk
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Professional Pack



Cost-Saving Bulk Pack

Most of our Professional Series Solderless Terminals come in pro-packs and cost-saving bulk packs. Choose the one that best suits your needs

A

Terminals & Connectors (K-Spec® Series)

Crimp 'N' Shrink Butt Connectors (K-Spec® Series)

600V Rating, 105°C, Copper

22-18GA



Approximate length
of tubing: 1.250"

691244	5 pk
561244	100 pk
561244J	300 pcs/Jar
561244D	500 pk

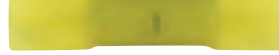
16-14GA



Approximate length
of tubing: 1.250"

691245	5 pk
561245	100 pk
561245J	300 pcs/Jar
561245D	500 pk

12-10GA



Approximate length
of tubing: 1.500"

691246	5 pk
561246	100 pk
561246J	200 pcs/Jar
561246D	500 pk



PVC Insulated Butt Connectors (K-Spec® Series)

300V Rating, 75°C, Brass

22-18GA



691231	11 pk
561231	100 pk
561231D	500 pk

16-14GA



691232	10 pk
561232	100 pk
561232D	500 pk

12-10GA



691233	7 pk
561233	100 pk
561233D	500 pk

PVC Insulated Spade/Fork Terminals (K-Spec® Series)

600V Rating, 75°C, Copper

22-18GA



Stud Size #6	
561048	100 pk
561048D	500 pk



Stud Size #8	
561049	100 pk
561049D	500 pk



Stud Size #10	
561050	100 pk
561050D	500 pk

16-14GA



Stud Size #6	
561061	100 pk
561061D	500 pk



Stud Size #8	
561062	100 pk
561062D	500 pk



Stud Size #10	
691063	9 pk
561063	100 pk
561063D	500 pk



Stud Size 1/4"	
561064	100 pk
561064D	500 pk

12-10GA



Stud Size #6	
561074	100 pk
561074D	500 pk



Stud Size #8	
561075	100 pk
561075D	500 pk



Stud Size #10	
691076	7 pk
561076	100 pk
561076D	500 pk



Stud Size 1/4"	
561077	100 pk
561077D	500 pk

Terminals & Connectors (K-Spec® Series)

PVC Insulated Ring Terminals (K-Spec® Series)



600V Rating, 75°C, Copper

22-18GA



Stud Size #6

561000	100 pk
561000D	500 pk



Stud Size #8

561002	100 pk
561002D	500 pk



Stud Size #10

691003	11 pk
561003	100 pk
561003D	500 pk



Stud Size 1/4"

561004	100 pk
561004D	500 pk



Stud Size 5/16"

561005	100 pk
561005D	500 pk



Stud Size 3/8"

561006	100 pk
561006D	500 pk

16-14GA



Stud Size #6

691016	11 pk
561016	100 pk
561016D	500 pk



Stud Size #8

691018	11 pk
561018	100 pk
561018D	500 pk



Stud Size #10

691019	10 pk
561019	100 pk
561019D	500 pk



Stud Size 1/4"

691020	9 pk
561020	100 pk
561020D	500 pk



Stud Size 5/16"

561021	100 pk
561021D	500 pk



Stud Size 3/8"

691022	7 pk
561022	100 pk
561022D	500 pk

12-10GA



Stud Size #6

691032	7 pk
561032	100 pk
561032D	500 pk



Stud Size #8

561033	100 pk
561033D	500 pk



Stud Size #10

691034	7 pk
561034	100 pk
561034D	500 pk



Stud Size 1/4"

691035	6 pk
561035	100 pk
561035D	500 pk



Stud Size 5/16"

561036	100 pk
561036D	500 pk



Stud Size 3/8"

691037	6 pk
561037	100 pk
561037D	500 pk



Stud Size 1/2"

691038	6 pk
561038	100 pk
561038D	500 pk

A

Terminals & Connectors (K-Spec® Series)

PVC Insulated Quick Disconnects/Slide Connectors (K-Spec® Series)



300V Rating, 75°C, Brass
22-18GA



Female quick disconnect
Tab Size .110" x .020"

561377 100 pk
561377D 500 pk



Male quick disconnect
Tab Size .110" x .020"

561378 100 pk
561378D 500 pk



Female quick disconnect
Tab Size .110" x .032"

561379 100 pk
561379D 500 pk



Male quick disconnect
Tab Size .110" x .032"

561380 100 pk
561380D 500 pk



Female quick disconnect
Tab Size .187" x .020"

561381 100 pk
561381D 500 pk



Male quick disconnect
Tab Size .187" x .020"

561382 100 pk
561382D 500 pk



Female quick disconnect
Tab Size .187" x .032"

561383 100 pk
561383D 500 pk



Male quick disconnect
Tab Size .187" x .032"

561384 100 pk
561384D 500 pk



Female quick disconnect
Tab Size .205" x .020"

561395 100 pk
561395D 500 pk



Female quick disconnect
Tab Size .250" x .032"

561352 100 pk
561352D 500 pk



Male quick disconnect
Tab Size .250" x .032"

561351 100 pk
561351D 500 pk

16-14GA



Female quick disconnect
Tab Size .110" x .020"

561396 100 pk
561396D 500 pk



Male quick disconnect
Tab Size .110" x .020"

561391 100 pk
561391D 500 pk



Female quick disconnect
Tab Size .110" x .032"

561397 100 pk
561397D 500 pk



Female quick disconnect
Tab Size .187" x .020"

561387 100 pk
561387D 500 pk



Male quick disconnect
Tab Size .187" x .020"

561388 100 pk
561388D 500 pk



Female quick disconnect
Tab Size .187" x .032"

561389 100 pk
561389D 500 pk



Male quick disconnect
Tab Size .187" x .032"

561390 100 pk
561390D 500 pk



Female quick disconnect
Tab Size .205" x .020"

561398 100 pk
561398D 500 pk



Female quick disconnect
Tab Size .250" x .032"

691355 11 pk
561355 100 pk
561355D 500 pk



Male quick disconnect
Tab Size .250" x .032"

691356 10 pk
561356 100 pk
561356D 500 pk



Female quick disconnect
Tab Size .312" x .032"

561399 100 pk
561399D 500 pk



Female quick disconnect
Tab Size .375" x .047"

561400 100 pk
561400D 500 pk

12-10GA



Female quick disconnect
Tab Size .250" x .032"

692093 6 pk
562093 100 pk
562093D 500 pk



Male quick disconnect
Tab Size .250" x .032"

692115 7 pk
562115 100 pk
562115D 500 pk



Female quick disconnect
Tab Size .375" x .047"

561401 100 pk
561401D 500 pk

*Crimp Tools can be found
on pages 47-49*

Terminals & Connectors (K-Spec® Series)

Fully Insulated Quick Disconnects/Slide Connectors (K-Spec® Series)



300V Rating, Brass. Nylon (105°C). PVC (75°C)

22-18GA



Female quick disconnect, Fully Insulated (Nylon). Tab Size .250" x .032"

561354 100 pk
561354D 500 pk



Male quick disconnect, Fully Insulated (Nylon). Tab Size .250" x .032"

561353 100 pk
561353D 500 pk



Female quick disconnect, Fully Insulated (PVC). Tab Size .250" x .032"

561345 100 pk
561345D 500 pk

16-14GA



Female quick disconnect, Fully Insulated (Nylon). Tab Size .250" x .032"

561357 100 pk
561357D 500 pk



Male quick disconnect, Fully Insulated (Nylon). Tab Size .250" x .032"

561358 100 pk
561358D 500 pk



Female quick disconnect, Fully Insulated (PVC). Tab Size .250" x .032"

561346 100 pk
561346D 500 pk

12-10GA



Female quick disconnect, Fully Insulated (Nylon). Tab Size .250" x .032"

561623 100 pk
561623D 500 pk



Male quick disconnect, Fully Insulated (Nylon). Tab Size .250" x .032"

561621 100 pk
561621D 500 pk



Female quick disconnect, Fully Insulated (PVC). Tab Size .250" x .032"

561347 100 pk
561347D 500 pk

PVC Insulated Piggy Back Connectors (K-Spec® Series)

300V Rating, 75°C, Brass

22-18GA



562415 100 pk
562415D 500 pk

16-14GA



562416 100 pk
562416D 500 pk

12-10GA



562399 100 pk
562399D 500 pk

Nylon Insulated Female Flag Connectors (K-Spec® Series)

300V Rating, 105°C, Copper

22-18GA



.187" x .032"

562398 100 pk
562398D 500 pk



.250" x .032"

562407 100 pk
562407D 500 pk

16-14GA



.250" x .032"

562408 100 pk
562408D 500 pk

A

A

Terminals & Connectors (K-Spec® Series)

PVC Insulated Bullet Connectors (K-Spec® Series)



300V Rating, 75°C, Brass

22-18GA



.156" Female Receptacle

561248	100 pk
561248D	500 pk



.156" Male Snap Plug

561247	100 pk
561247D	500 pk

16-14GA – 2 Way (Clear)



Mates with two .156" Males

691261	5 pk
561261	100 pk
561261D	500 pk

16-14GA



.156" Female Receptacle

691289	8 pk
561289	100 pk
561289D	500 pk



.156" Male Snap Plug

691251	8 pk
561251	100 pk
561251D	500 pk



.197" Female Receptacle

561258	100 pk
561258D	500 pk



.197" Male Snap Plug

561257	100 pk
561257D	500 pk

12-10GA



.197" Female Receptacle

561260	100 pk
561260D	500 pk



.197" Male Snap Plug

561259	100 pk
561259D	500 pk

PVC Insulated Instant Connectors (K-Spec® Series)



600V Rating, 75°C, Copper

22-18GA



Tap Splice-Red

561370	100 pk
561370D	500 pk

16-14GA



Tap Splice-Blue

691371	3 pk
561371	100 pk
561371D	500 pk

12-10GA



Tap Splice-Yellow

691372	2 pk
561372	100 pk
561372D	500 pk

PVC Insulated Pin Terminals (K-Spec® Series)



600V Rating, 75°C, Copper

22-18GA



Pin Dimensions: .370" x .075" Dia.

562418	100 pk
562418D	500 pk

16-14GA



Pin Dimensions: .370" x .075" Dia.

562419	100 pk
562419D	500 pk

12-10GA



Pin Dimensions: .460" x .110" Dia.

562417	100 pk
562417D	500 pk

Nylon Insulated Closed End Connectors (K-Spec® Series)



300V Rating, 105°C, Copper

22-18GA



561293	100 pk
561293D	500 pk

16-14GA



561294	100 pk
561294D	500 pk

12-10GA



561295	100 pk
561295D	500 pk

Crimp Tools can be found on pages 47-49

Non-Insulated Terminals



Non-Insulated Terminals & Connectors are made of 100% pure copper for maximum conductivity with the addition of electro tin plating for marine applications. Where applicable, serrated barrel offers increased pullout strength of hard-to-crimp solid or stranded wire. Can be crimped or soldered. 600V rating.

Comparing Butted Seam & Brazed Seam Terminals & Connectors (Non-Insulated)

BUTTED SEAMS are formed when the metal is stamped, rolled, and butted to create the connector barrel. Should only be used with stranded wire and must be crimped in the proper place to avoid opening the seam.



Butted Seam

BRAZED SEAMS are formed much like a butted seam, except the seam is brazed together with a solder alloy. This provides a better crimp, as the barrel will not open under stress or pull. May be used with solid or stranded wire and can be crimped on any side of the barrel without opening the seam.



Brazed Seam

Comparing Butted Seam & Seamless Butt Connectors & Splices (Non-Insulated)

BUTTED SEAMS are formed when the metal is stamped, rolled, and butted to create the connector barrel. Should only be used with stranded wire and must be crimped in the proper place to avoid opening the seam.



Butted Seam

Generally, the **SEAMLESS** feature is only available for butt connectors or butt splices. The barrel is created to form one seamless point of metal. This eliminates the problem of the barrel opening. May be used with solid or stranded wire.



Seamless



NOTE: SEAMLESS CONNECTORS ARE LONGER THAN BUTTED SEAM CONNECTORS



Non-Insulated Terminals:
Packaging Variations

A

Non-Insulated Terminals & Connectors

Non-Insulated Ring Terminals (Brazen Seam)



22-18GA



Stud Size 4-6
762000 50 pk
762000M 1000 pk



Stud Size 6-8
762001 50 pk
762001M 1000 pk



Stud Size 8-10
762002 50 pk
762002M 1000 pk



Stud Size 12-1/4"
762003 50 pk
762003M 1000 pk

16-14GA



Stud Size 4-6
762004 50 pk
762004M 1000 pk



Stud Size 6-8
762005 50 pk
762005M 1000 pk



Stud Size 8-10
762006 50 pk
762006M 1000 pk



Stud Size 12-1/4"
762007 50 pk
762007M 1000 pk

12-10GA



Stud Size 6-8
762008 50 pk
762008M 1000 pk



Stud Size 8-10
762009 50 pk
762009M 1000 pk



Stud Size 12-1/4"
762010 50 pk
762010M 1000 pk



Stud Size 5/16"
762011 50 pk
762011M 1000 pk



Stud Size 3/8"
762012 50 pk
762012M 1000 pk

8GA



Stud Size 8-10
762450 25 pk
762450M 1000 pk



Stud Size 12-1/4"
762453 25 pk
762453M 1000 pk



Stud Size 5/16"
762015 25 pk
762015M 1000 pk



Stud Size 3/8"
762016 25 pk
762016M 1000 pk



Stud Size 1/2"
762458 25 pk
762458B 500 pk

6GA



Stud Size 8-10
762454 25 pk



Stud Size 12-1/4"
762455 25 pk
762455M 1000 pk



Stud Size 5/16"
762019 25 pk
762019M 1000 pk



Stud Size 3/8"
762020 25 pk
762020M 1000 pk



Stud Size 1/2"
762459 25 pk

4GA



Stud Size: #10
762424 25 pk



Stud Size 1/4"
762425 25 pk
762425C 100 pk



Stud Size 5/16"
762426 25 pk
762426C 100 pk



Stud Size 3/8"
762427 25 pk
762427C 100 pk



Stud Size 1/2"
762428 25 pk
762428C 100 pk

Non-Insulated Terminals & Connectors

Non-Insulated Ring Terminals (Brazen Seam)



2-1GA



Stud Size: #10	
762460	25 pk
762460C	100 pk



Stud Size: 1/4"	
762461	25 pk
762461C	100 pk



Stud Size: 5/16"	
762462	25 pk
762462C	100 pk



Stud Size: 3/8"	
762463	25 pk
762463C	100 pk



Stud Size: 1/2"	
762464	25 pk
762464C	100 pk

1/0GA



Stud Size: 5/16"	
762466	25 pk
762466C	100 pk



Stud Size: 3/8"	
762467	25 pk
762467C	100 pk



Stud Size: 1/2"	
762468	25 pk
762468C	100 pk

2/0GA



Stud Size: 5/16"	
762470	25 pk
762470C	100 pk



Stud Size: 3/8"	
762471	25 pk
762471C	100 pk



Stud Size: 1/2"	
762472	25 pk
762472C	100 pk

3/0GA



Stud Size: 3/8"	
762475	25 pk
762475C	100 pk



Stud Size: 1/2"	
762476	25 pk
762476C	100 pk

4/0GA



Stud Size: 3/8"	
762479	25 pk
762479C	100 pk



Stud Size: 1/2"	
762480	25 pk
762480C	100 pk



Serrated barrel increases pullout strength of hard-to-crimp solid or stranded wire



A

Non-Insulated Terminals & Connectors

Non-Insulated Ring Terminals (Butted Seam)

600V Rating, 75°C, Copper



22-18GA



Stud Size #6

562000 100 pk
562000D 500 pk

Stud Size #8

562001 100 pk
562001D 500 pk

Stud Size #10

562002 100 pk
562002D 500 pk

Stud Size 1/4"

562003 100 pk
562003D 500 pk

16-14GA



Stud Size #6

562004 100 pk
562004D 500 pk

Stud Size #8

562005 100 pk
562005D 500 pk

Stud Size #10

562006 100 pk
562006D 500 pk

Stud Size 1/4"

562007 100 pk
562007D 500 pk

12-10GA



Stud Size #8

562008 100 pk
562008D 500 pk

Stud Size #10

562009 100 pk
562009D 500 pk

Stud Size 1/4"

562010 100 pk
562010D 500 pk

Stud Size 5/16"

562011 100 pk
562011D 500 pk

Stud Size 3/8"

562012 100 pk
562012D 500 pk

Non-Insulated Butt Connectors (Butted Seam)

600V Rating, 75°C, Copper



22-18GA



562404 100 pk
562404D 500 pk

16-14GA



562405 100 pk
562405D 500 pk

12-10GA



562406 100 pk
562406D 500 pk

Non-Insulated Butt Connectors (Seamless)

600V Rating, 105°C, Copper



22-18GA



762404 100 pk
762404M 1000 pk
*762404J 1000pcs/Jar ***NEW**

16-14GA



762405 100 pk
762405M 1000 pk
*762405J 1000pcs/Jar ***NEW**

12-10GA



762406 100 pk
762406M 1000 pk
*762406J 500pcs/Jar ***NEW**

8GA



762429 25 pk
762429B 500 pk

6GA



762456 25 pk

4GA



762457 25 pk
762457B 500 pk



*762404J



*762405J



*762406J

Crimp Tools can be found on pages 47-49 & 149

Non-Insulated Terminals & Connectors

Non-Insulated 'Step-Down' Butt Connectors (Seamless)



20-18GA ⇒ 16-14GA



762481 100 pk
762481M 1000 pk

16-14GA ⇒ 12-10GA



762482 100 pk
762482M 1000 pk

12-10GA ⇒ 8GA



762483 100 pk
762483M 1000 pk

Non-Insulated Quick Disconnects/Slide Connectors



Butted Seam

22-18GA



Female quick disconnect
 Tab Size: .110"
762026 100 pk



Female quick disconnect
 Tab Size: .187"
762028 100 pk



Female quick disconnect
 Tab Size: .25"
762412 100 pk
762412M 1000 pk



Male quick disconnect
 Tab Size: .25"
762420 100 pk

16-14GA



Female quick disconnect
 Tab Size: .110"
762032 100 pk



Female quick disconnect
 Tab Size: .187"
762034 100 pk
762034M 1000 pk



Male quick disconnect
 Tab Size: .187"
762033 100 pk



Female quick disconnect
 Tab Size: .25"
762413 100 pk
762413M 1000 pk



Male quick disconnect
 Tab Size: .25"
762421 100 pk

12-10GA



Female quick disconnect
 Tab Size: .25"
762414 100 pk
762414M 1000 pk



Male quick disconnect
 Tab Size: .25"
762422 100 pk
762422M 1000 pk

Non-Insulated Female Flag Connectors



Butted Seam

22-18GA



Tab Size .25"
762410 100 pk

16-14GA



Tab Size .25"
762411 100 pk
762411M 1000 pk

12-10GA



Tab Size .25"
762423 100 pk
762423M 1000 pk

Non-Insulated Adapters



Non-insulated male/female/
 male quick disconnect adapter,
 converts one .25" tab connection
 to two connections
762098 25 pk
762098M 1000 pk



Non-insulated female/
 male/male adapter,
 converts one male tab to
 two male tabs.
762373 25 pk
762373M 1000 pk

A

Non-Insulated Terminals & Connectors (High Temperature)

These terminals are made of nickel-plated steel. High temperature terminals can withstand temperatures of up to 482°C (900°F). Excellent for appliances and high heat applications. 600 Volt rating. Crimp Tools can be found on pages 47-49 & 149

Good to
482°C
(900°F)

High Temperature/Non-Insulated Butt Connectors

22-18GA



761733 100 pk
761733M 1000 pk

16-14GA



761734 100 pk
761734M 1000 pk

12-10GA



761735 100 pk
761735M 1000 pk



High Temperature/Non-Insulated Ring Terminals

22-18GA



Stud Size 6
762431 100 pk

16-14GA



Stud Size 6
762433 100 pk

16-14GA



Stud Size 10
762432 100 pk
762432M 1000 pk

16-14GA



Stud Size 1/4
762439 100 pk



22-18GA



Stud Size 10
762430 100 pk
762430M 1000 pk

12-10GA



Stud Size 10
762434 100 pk
762434M 1000 pk

12-10GA



Stud Size 1/4"
762435 100 pk
762435M 1000 pk

12-10GA



Stud Size 3/8"
762440 100 pk

High Temperature/Non-Insulated Spade/Fork Terminals

22-18GA



Stud Size 10
761736 100 pk

16-14GA



Stud Size 10
761737 100 pk
761737M 1000 pk

12-10GA



Stud Size 10
761738 100 pk
761738M 1000 pk



High Temperature/Non-Insulated Quick Disconnects/Slide Connectors

22-18GA



Female quick disconnect
Tab Size: .25"
762436 100 pk

16-14GA



Female quick disconnect
Tab Size: .25"
762437 100 pk
762437M 1000 pk



Male quick disconnect
Tab Size: .25"
761731 100 pk

12-10GA



Female quick disconnect
Tab Size: .25"
762438 100 pk
762438M 1000 pk



Male quick disconnect
Tab Size: .25"
761732 100 pk



High Temperature/Non-Insulated Female Flag Connectors

16-14GA



Female flag
Tab Size .25"
761740 100 pk
761740M 1000 pk



Crimping Tools

Light-Duty 3 in 1 Crimping Tool

692001 A perfect mechanic's helper. The crimper has 3 die sections to crimp the appropriate size terminal. The wire cutter trims wire to required length. The wire stripper removes outer cable and insulation. Sure-grip vinyl coated handles for safety. Approximate length: 8-3/4" (222.25mm).



692001 Light-Duty 3 in 1 Crimping Tool

Heavy-Duty Wire Stripper with Built-In Cutter/Crimper

***669967** IT STRIPS ... 24GA to 10GA wire without damaging the conductor. IT CUTS ... IT CRIMPS ... insulated and non-insulated 22-10GA terminals with ease. Made of strong durable steel alloy. Now made with more comfortable handles. This tool is a must for every wiring project. Approximate length: 8-1/2" (215.90mm)



***669967** Heavy-Duty Wire Stripper with Built-In Cutter/Crimper

Large Terminals & Copper Lugs

762650 Crimps large non-insulated terminals and copper lugs. Extra long handles with ratchet action, this tool crimps wire sizes 12GA to 4GA. Approximate length: 14" (355.60mm)



762650 Large Terminals & Copper Lugs

Heavy-Duty Crimping Tool

761434 Designed to crimp almost every type of terminal used in the automotive fleet, marine, industrial and electrical fields. Cuts and strips solid and standard wire 22GA to 10GA Crimps uninsulated and insulated terminals, disconnects and splices. Applies "W" crimp to 7mm and 8mm straight or 90° spark plug and distributor terminals, split or solid barrel. Approximate length: 10" (254.00mm)



761434 Heavy-Duty Crimping Tool

Ratchet Double Crimping Tool (Angled Head)

761435 Ratchet design ensures a consistent crimp every time. Double crimp dies are ideal for PVC and Nylon insulated terminals. The first crimp secures the bare wire while the second crimp secures the wire insulation. Excellent in high vibration applications. Features an angled head that gets to hard to reach places. Handles most 22GA to 10GA terminals. Approximate length: 9-1/4" (234.95mm)



761435 Ratchet Double Crimping Tool (Angled Head)

Crimp Tool for Fully Insulated Flag Connectors (12-10GA)

761809 Single Nest Ratcheting Ergonomic Crimp Tool for all 12-10GA Fully Insulated Female Flag Connectors. Approximate length: 10" (254.00mm).



761809 Single Nest Ratcheting Ergonomic Crimp Tool

A

Crimping Tools (Ratchet Style)



'RAT' Tool in convenient carrying case

Techspan Automotive is proud to make available this range of Ratchet Action Tools ('RAT'-series). Each of these crimping tools feature smooth, ergonomically designed handles for comfort and performance and are the finest quality tools for wiring professionals. ALL INDIVIDUAL TOOLS COME IN THEIR OWN CONVENIENT CARRYING CASES. These cases contain empty compartments for wiring professionals to make their own assortments with the terminals THEY use the most. Approximate length: 10-1/4" (260.35mm)

'RAT' Tool – PVC Terminals

761801 This tool crimps all PVC insulated terminals with a single and double crimp. The triple nested die allows crimping of wire sizes 22-18GA, 16-14GA & 12-10GA



761801 'RAT' Tool – PVC Terminals

'RAT' Tool – Heat Shrinkable Terminals & Connectors

761802 This tool crimps all crimpable heat shrinkable terminals and connectors with a single crimp. The triple nested die allows crimping of wire sizes 22-18GA, 16-14GA and 12-10GA



761802 'RAT' Tool – Heat Shrinkable Terminals and Connectors

'RAT' Tool – Nylon Terminals

761803 This tool crimps all Nylon insulated terminals with a double crimp. The first crimp secures the bare wire conductor and the second crimp secures the wire sheath for a superior hold in vibration situations (Note: this tool can also be used to crimp PVC terminals). The triple nested die allows crimping of wire sizes 22-18GA, 16-14GA & 12-10GA



761803 'RAT' Tool – Nylon Terminals

'RAT' Tool – PVC/Nylon Slide Connectors (Disconnects)

761804 This tool crimps all PVC and Nylon insulated male or female slide connectors (disconnects) with a single crimp. The triple nested die allows crimping of wire sizes 22-18GA, 16-14GA & 12-10GA



761804 'RAT' Tool – PVC/ Nylon Slide Terminals (Disconnects)

Crimping Tools (Ratchet Style)

'RAT' Tool – Fully Insulated Flag Connectors

761805 This tool crimps fully insulated female flag connectors with a single crimp. The double nesting die allows crimping of wire sizes 22-18GA & 16-14GA



761805 'RAT' Tool – Flag Terminals

'RAT' Tool – Non-Insulated Terminals

761806 This tool crimps all non-insulated terminals with a single crimp. The quadruple nested die allows crimping of wire sizes 22-18GA, 16-14GA, 12-10GA & 8GA



761806 'RAT' Tool – Non-Insulated Terminals

'RAT' Tool – Open Barrel Terminals

761807 This tool crimps all open barrel (OEM terminals) non-insulated terminals with a single crimp. These terminals are common in the automotive and appliance industry. The triple nested die allows crimping of wire sizes 22-18GA, 16-14GA & 12-10GA



761807 'RAT' Tool – Open Barrel Terminals

'RAT' Tool/Die Kit for All Terminals

761800 This kit contains five of the most popular crimping die sets. Dies are easily changed with a couple of screws. This KIT provides quick and flexible crimping alternatives for the wiring professional. Never be caught short on a job because you don't have the right tool.

This KIT contains the following 5 die sets:

- | | |
|---|---|
| 691801 for PVC terminals | 691806 for non-insulated terminals |
| 691802 for Heat Shrink Terminals | 691807 for open barrel (OEM) terminals |
| 691803 for Nylon terminals | |



761800 'RAT' Tool/Die Kit for All Terminals

A

Terminal Assortment Kits (Professional Series)



763003 Solderless Terminal Assortment Kit in a Metal Storage Tray

Solderless Terminal Assortment Kit (Professional Series)

763003 Grey metal storage tray with carrying handle comes complete with 1440 pieces of 20 widely used Professional Series Solderless Terminals (PVC & Nylon Insulated) as well as a **692001** Crimp Tool. Each part number is indexed on an affixed reference chart for easy identification and quick reorder.
Dimensions: 13-3/8" W x 9-1/4" L x 2"H.

Kit Contents:

Part#	Description	Qty
692001	Crimp Tool Light Duty [22-10GA Terminals]	1 ea
761003	Ring PVC 22-18GA #10	100 pcs
761018	Ring PVC 16-14GA #8	100 pcs
761019	Ring PVC 16-14GA #10	100 pcs
761020	Ring PVC 16-14GA 1/4"	100 pcs
761034	Ring PVC 12-10GA #10	50 pcs
761035	Ring PVC 12-10GA 1/4"	50 pcs
761037	Ring PVC 12-10GA 3/8"	40 pcs
761063	Spade PVC 16-14GA #10	100 pcs
761076	Spade PVC 12-10GA #10	50 pcs
761231	Butt Splice PVC 22-18GA	100 pcs
761232	Butt Splice PVC 16-14GA	100 pcs
761233	Butt Splice PVC 12-10GA	50 pcs
761256	Bullet Male PVC 16-14GA .180"	100 pcs
761292	Closed End Connector Nylon 16-10GA	50 pcs
761355	Slide Fem PVC 16-14GA 1/4"	100 pcs
761356	Slide Male PVC 16-14GA 1/4"	100 pcs
761357	Slide Full Fem Nyl 16-14GA 1/4"	50 pcs
761358	Slide Full Male Nyl 16-14GA 1/4"	50 pcs
761371	Tap Splice PVC 16-14GA BLUE	25 pcs
762093	Slide Fem PVC 12-10GA 1/4"	25 pcs



*763022 Non-Insulated Terminals Assortment Kit with Crimping Tool

Solderless Terminal Assortment Kit (Non-Insulated)

***763022** Grey metal storage tray with carrying handle comes complete with 1825 pieces of 20 widely used Non-Insulated Solderless Terminals as well as a **669967** Multi-Purpose Wiring Tool. Each part number is indexed on an affixed referenced chart for easy identification and quick reorder. Dimensions: 13-3/8" W x 9-1/4" L x 2"H.

Kit Contents:

Part#	Description	Qty
669967	Tool Stripper/Cutter/Crimper 22-10GA	1 PC
762032	Slide Fem Non-Ins Brazed Seam 16-14GA .110"	100 PCS
762033	Slide Male Non-Ins Brazed Seam 16-14GA 3/16"	100 PCS
762034	Slide Fem Non-Ins Brazed Seam 16-14GA 3/16"	100 PCS
762404	Butt Splice Non-Ins Seamless 22-18GA	100 PCS
762405	Butt Splice Non-Ins Seamless 16-14GA	100 PCS
762406	Butt Splice Non-Ins Seamless 12-10GA	100 PCS
762410	Slide Flag Non-Ins 22-18GA 1/4"	100 PCS
762411	Slide Flag Non-Ins Brazed Seam 16-14GA 1/4"	100 PCS
762412	Slide Fem Non-Ins Brazed Seam 22-18GA 1/4"	100 PCS
762413	Slide Fem Non-Ins Brazed Seam 16-14GA 1/4"	100 PCS
762414	Slide Fem Non-Ins Brazed Seam 12-10GA 1/4"	100 PCS
762420	Slide Male Non-Ins Brazed Seam 22-18GA 1/4"	100 PCS
762421	Slide Male Non-Ins Brazed Seam 16-14GA 1/4"	100 PCS
762422	Slide Male Non-Ins Brazed Seam 12-10GA 1/4"	100 PCS
762423	Slide Flag Non-Ins Brazed Seam 12-10GA 1/4"	100 PCS
762429	Butt Splice Non-Ins Seamless 8GA	25 PCS
762481	Butt Stp-Dwn Non-Ins Seamless 20-18 ≥ 16-14	100 PCS
762482	Butt Stp-Dwn Non-Ins Seamless 16-14 ≥ 12-10	100 PCS
762483	Butt Stp-Dwn Non-Ins Seamless 12-10 ≥ 8	100 PCS

Terminal Assortment Kits (Professional Series)

Solderless Terminal Assortment (Professional Series) – 'Flip' Kit

763008 This assortment contains 751 pieces of the most popular Professional Series Solderless Terminals (PVC & Nylon Insulated) as well as a crimp tool. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

Kit Contents:

Part#	Description	Qty
692001	Crimp Tool Light Duty [22-10GA Terminals]	1 pc
761019	Ring PVC 16-14GA #10	50 pcs
761020	Ring PVC 16-14GA 1/4"	50 pcs
761022	Ring PVC 16-14GA 3/8"	50 pcs
761034	Ring PVC 12-10GA #10	25 pcs
761035	Ring PVC 12-10GA 1/4"	25 pcs
761037	Ring PVC 12-10GA 3/8"	25 pcs
761231	Butt Splice PVC 22-18GA	50 pcs
761232	Butt Splice PVC 16-14GA	100 pcs
761233	Butt Splice PVC 12-10GA	50 pcs
761355	Slide Fem PVC 16-14GA 1/4"	50 pcs
761356	Slide Male PVC 16-14GA 1/4"	50 pcs
761357	Slide Full Fem Nyl 16-14GA 1/4"	50 pcs
761358	Slide Full Male Nyl 16-14GA 1/4"	50 pcs
761371	Tap Splice PVC 16-14GA Blue	75 pcs
762093	Slide Fem PVC 12-10GA 1/4"	25 pcs
762115	Slide Male PVC 12-10GA 1/4"	25 pcs



763008 751 pc Solderless Terminal 'Flip' Kit

Solderless Terminal 'Mini Flip Kit' Assortment (Professional Series)

763000 This handy assortment kit comes complete with 150 pieces of 12 widely used PVC Insulated, Professional Series, Solderless Terminals as well as a 692001 Crimp Tool in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H

Kit Contents:

Part#	Description	Qty
692001	Crimp Tool Light Duty [22-10GA Terminals]	1 ea
761003	Ring PVC 22-18GA #10	10 pcs
761018	Ring PVC 16-14GA #8	10 pcs
761019	Ring PVC 16-14GA #10	15 pcs
761020	Ring PVC 16-14GA 1/4"	10 pcs
761050	Spade PVC 22-18GA #10	10 pcs
761063	Spade PVC 16-14GA #10	10 pcs
761202	Hook PVC 16-14GA #10	10 pcs
761231	Butt Splice PVC 22-18GA	10 pcs
761232	Butt Splice PVC 16-14GA	15 pcs
761251	Bullet Male PVC 16-14GA .156"	10 pcs
761355	Slide Fem PVC 16-14GA 1/4"	20 pcs
761356	Slide Male PVC 16-14GA 1/4"	20 pcs



763000 Solderless Terminal Assortment Kit in a Plastic Storage Tray

A

Terminal Assortment Kits (K-Spec® Series)



560500 Solderless Terminal Assortment Kit in a Metal Storage Tray (K-Spec® Series)

Available with or without a crimp tool... your choice!



560175 Solderless Terminal Assortment Kit in a Plastic Storage Tray (K-Spec® Series) with Tool



560175NT Solderless Terminal Assortment Kit in a Plastic Storage Tray (K-Spec® Series)

Solderless Terminal Assortment Kit (K-Spec® Series)

560500 Green metal storage tray with carrying handle comes complete with 500 pieces of 20 widely used K-Spec® Series Solderless Terminals. Tray has space for a Crimp Tool. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 13-1/2" W x 10" L x 1-5/8" H

Kit Contents:

Part #	Description	Qty
561003	K-Spec® Ring 22-18GA #10 PVC Red	25 pcs
561016	K-Spec® Ring 16-14GA #6 PVC Blue	25 pcs
561019	K-Spec® Ring 16-14GA #10 PVC Blue	25 pcs
561231	K-Spec® Butt Conn PVC 22-18GA Red	25 pcs
561232	K-Spec® Butt Conn PVC 16-14GA Blue	25 pcs
561233	K-Spec® Butt Conn PVC 12-10GA Yellow	25 pcs
561247	K-Spec® Bullet 22-18GA .156 PVC Red	25 pcs
561251	K-Spec® Bullet 16-14GA .156 PVC Blue	25 pcs
561258	K-Spec® Fem Bullet 16-14GA .197 PVC Blue	25 pcs
561261	K-Spec® 2 Way Fem Bullet 16-14GA .156" Clear	25 pcs
561289	K-Spec® Fem Bullet 16-14GA .156 PVC Blue	25 pcs
561351	K-Spec® Mal Slide 22-18GA .250x.032 PVC Red	25 pcs
561352	K-Spec® Fem Slide 22-18GA .250x.032 PVC Red	25 pcs
561353	K-Spec® Mal Slide 22-18GA .250 Fully Nylon Red	25 pcs
561354	K-Spec® Fem Slide 22-18GA .250 Fully Nylon Red	25 pcs
561355	K-Spec® Fem Slide 16-14GA .250x.032 PVC Blue	25 pcs
561356	K-Spec® Mal Slide 16-14GA .250x.032 PVC Blue	25 pcs
561357	K-Spec® Fem Slide 16-14GA .250 Fully Nylon Blue	25 pcs
561358	K-Spec® Mal Slide 16-14GA .250 FULLY Nylon Blue	25 pcs
562093	K-Spec® Fem Slide 12-10GA .250x.032 PVC Yellow	25 pcs

Solderless Terminal Assortment Kits (K-Spec® Series)

These handy assortment kits come complete with 175 pieces of 18 widely used K-Spec® Series PVC Insulated Solderless Terminals in plastic storage trays. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 8-1/4" W x 4-1/8" L x 1-1/8" H. These kits are available with or without a crimp tool under the following part numbers:

560175 (with tool)

560175NT (without tool)

Both Kits' Contents:

Part #	Description	Qty
561003	K-Spec® Ring 22-18GA #10 PVC Red	10 pcs
561016	K-Spec® Ring 16-14GA #6 PVC Blue	10 pcs
561019	K-Spec® Ring 16-14GA #10 PVC Blue	10 pcs
561231	K-Spec® Butt Conn PVC 22-18GA Red	10 pcs
561232	K-Spec® Butt Conn PVC 16-14GA Blue	10 pcs
561233	K-Spec® Butt Conn PVC 12-10GA Yellow	10 pcs
561247	K-Spec® Bullet 22-18GA .156 PVC Red	10 pcs
561251	K-Spec® Bullet 16-14GA .156 PVC Blue	10 pcs
561258	K-Spec® Fem Bullet 16-14GA .197 PVC Blue	10 pcs
561261	K-Spec® 2 Way Fem Bullet 16-14GA .156" Clear	5 pcs
561289	K-Spec® Fem Bullet 16-14GA .156 PVC Blue	10 pcs
561345	K-Spec® Fem Slide 22-18GA .250 Fully PVC	10 pcs
561346	K-Spec® Fem Slide 16-14GA .250 Fully PVC	10 pcs
561351	K-Spec® Mal Slide 22-18GA .250x.032 PVC Red	10 pcs
561352	K-Spec® Fem Slide 22-18GA .250x.032 PVC Red	10 pcs
561355	K-Spec® Fem Slide 16-14GA .250x.032 PVC Blue	10 pcs
561356	K-Spec® Mal Slide 16-14GA .250x.032 PVC Blue	10 pcs
562093	K-Spec® Fem Slide 12-10GA .250x.032 PVC Yellow	10 pcs

Terminal Assortment Kits (K-Spec® Series)



Solderless Terminal 'Mini Flip Kit' Assortment (K-Spec® Series)

***563032** This handy assortment kit comes complete with 575 pieces of 12 widely used K-Spec® Series Solderless Terminals in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H.

Kit Contents:

Part #	Description	Qty
561018	K-Spec® Ring 16-14GA #8 PVC Blue	50 pcs
561019	K-Spec® Ring 16-14GA #10 PVC Blue	50 pcs
561020	K-Spec® Ring 16-14GA 1/4" PVC Blue	50 pcs
561034	K-Spec® Ring 12-10GA #10 PVC Yellow	50 pcs
561035	K-Spec® Ring 12-10GA 1/4" PVC Yellow	50 pcs
561231	K-Spec® Butt Conn PVC 22-18GA Red	50 pcs
561232	K-Spec® Butt Conn PVC 16-14GA Blue	50 pcs
561355	K-Spec® Fem Slide 16-14GA .250x.032 PVC Blue	50 pcs
561356	K-Spec® Mal Slide 16-14GA .250x.032 PVC Blue	50 pcs
561357	K-Spec® Fem Slide 16-14GA .250 Fully Nyl Blue	50 pcs
561358	K-Spec® Mal Slide 16-14GA .250 Fully Nyl Blue	50 pcs
561371	K-Spec® Tap Splice 16-14GA PVC Blue	25 pcs



***563032 Solderless Terminal Assortment Kit (K-Spec® Series)**

Solderless Terminal 'Mini Flip Kit' Assortment (K-Spec® Series) with Tool

***563031** This handy assortment kit comes complete with 600 pieces of 12 widely used K-Spec® Series Solderless Terminals with a compact crimping tool... in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H.

Kit Contents:

Part #	Description	Qty
692001	Crimp Tool Light Duty [22-10GA Terminals]	1 pc
561019	K-Spec® Ring 16-14GA #10 PVC Blue	50 pcs
561020	K-Spec® Ring 16-14GA 1/4" PVC Blue	50 pcs
561232	K-Spec® Butt Conn PVC 16-14GA Blue	50 pcs
561355	K-Spec® Fem Slide 16-14GA .250x.032 PVC Blue	50 pcs
561356	K-Spec® Mal Slide 16-14GA .250x.032 PVC Blue	50 pcs
561357	K-Spec® Fem Slide 16-14GA .250 Fully Nyl Blue	50 pcs
561358	K-Spec® Mal Slide 16-14GA .250 Fully Nyl Blue	50 pcs
561034	K-Spec® Ring 12-10GA #10 PVC Yellow	50 pcs
561035	K-Spec® Ring 12-10GA 1/4" PVC Yellow	50 pcs
561371	K-Spec® Tap Splice 16-14GA PVC Blue	50 pcs
561018	K-Spec® Ring 16-14GA #8 PVC Blue	50 pcs
561231	K-Spec® Butt Conn PVC 22-18GA Red	50 pcs



***563031 Solderless Terminal Assortment Kit (K-Spec® Series) with Tool**

A

OEM Terminals



762138



762136

GM Series 56 Terminals

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK	Use with Housing...	Mating Terminal...
2962447	18-14GA Female. Tin-Plated Brass	762138	762138C	762139 or 762140	762136
2962987 (2971962)	18-14GA Male. Brass	762136		762137	762138



762139



762137



762140

GM Series 56 Terminal Housings

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK	Insulates Terminal...	Mating Housing...
2962448	For 18-14GA Female Terminal (762138). Natural Polypropylene	762139		762138	762137
2962984	For 18-14GA Male Terminal (762136). Natural ABS	762137		762136	762139

762140 OEM# 6294493. Alternator connector housing insulates 2 x **762138** terminals (GM Cars & Light Trucks 1973 & newer). Natural plastic

Universal Series 58 Terminals

Chrysler#	Ford#	GM#	GA Size & Description	10 PCS/PK	100 PCS/PK
2096466	C5AB-14474B	2965470	20-18GA Female. Tab Size: .250" Tab. Brass	761901	761901C
2096467	C1SF-14474A	2965580	16-14GA Female. Tab Size: .250" Tab. Brass	761900	761900C



761901



761900



OEM Terminal/
Housing/Tool
Cross-Reference
is found on
page 65

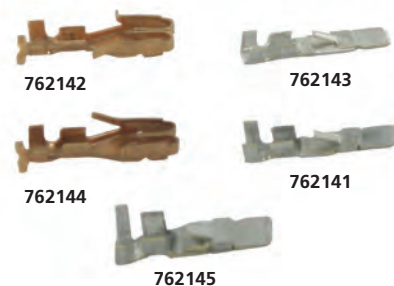
Most OEM Terminals & Terminal Housings are available in packages of 10 or 100

OEM Terminal Tools can be found on pages 62-63

OEM Terminals

GM Pack-Con Series Terminals

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK	Mating Terminal...
12020346	20-18GA Female Receptacle. Tinned Brass	762142		762143
6294511	20-18GA Male Tab Connector. Tin-Plated Brass	762143		762142
12020347	16-14GA Female Receptacle. Tinned Brass	762144		762141
12020320	16-14GA Male Tab Connector. Tin-Plated Brass	762141		762144
12033817	12-10GA Male Tab Connector. Tin-Plated Brass, (Heavy-Duty)	762145		



GM Electronic Control Module Terminals

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK	Mating Terminal...
12089507	20-18GA Tin-Plated Brass	762148		
12089649	20-18GA	762149		



GM Micro-Pack Series 100 Terminals

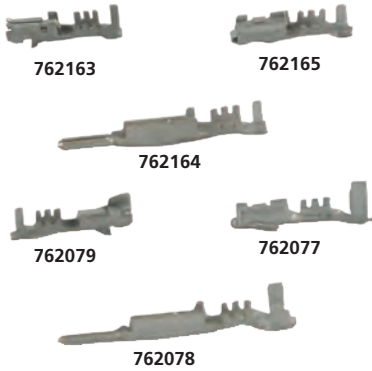
OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK	Mating Terminal...
12040902	22GA Male. Tin-Plated Brass	762174		



OEM Terminal/
Housing/Tool
Cross-Reference
is found on
page 65

A

OEM Terminals



ARRIVING
JULY, 2024



GM Metri-Pack 150-Series Terminals

OEM#	GA Size & Description	10 PCS/PK	Mating Terminal...
12103881	20-18GA Female. Tab size: .059". Tin-Plated Bronze. P2S "Pull to Seat"	762163	762164
12047767	20-18GA Female. Tab size: .059". Tin Plated Bronze	762165	762164
12047581	20-18GA Male. Tab size: .059". Tin-Plated Brass	762164	762163 or 762165
12124075	18-16GA Female. Tin-Plated Bronze. P2S "Pull to Seat"	762079	762078
12048074	20-16GA Female. Tin-Plated Bronze	762077	762078
12045773	20-16GA Male. Tin Plated Bronze	762078	762077 or 762079



GM Metri-Pack 150-Series Housing Assemblies

Each assembly comes with a Connector and Secondary Lock with TPA features (Terminal Position Assurance). For size ranges 20-18GA & 20-16GA.

2-Cavity

OEM#	Description	1 Set/PK	Insulates Terminals...	Mating Housing...
12052641, 12052634	Female + Secondary Lock	*761902	762077, 762165	761903
12162000, 12052634	Male + Secondary Lock	*761903	762078, 762164	761902

3-Cavity

OEM#	Description	1 Set/PK	Insulates Terminals...	Mating Housing...
12110293, 12052845	Female + Secondary Lock	*761904	762077, 762165	761905
12129615, 12052845	Male + Secondary Lock	*761905	762078, 762164	761904



4-Cavity

OEM#	Description	1 Set/PK	Insulates Terminals...	Mating Housing...
12162144, 12047948	Female + Secondary Lock	*761906	762077, 762165	761907
12162102, 12047948	Male + Secondary Lock	*761907	762078, 762164	761906



OEM Terminal/
Housing/Tool
Cross-Reference
is found on
page 65

OEM Terminals

GM Metri-Pack 150-Series Pigtails (Sealed)



- *761908 For Washer Pump / Low Coolant Sensor. PT374, 12102747 (1984-2004). 16GA Wires.



*761908

GM Metri-Pack 150-Series 'P2S' Pigtails (Sealed)



- *761909 For Direct Ignition Throttle Body Injection. PT118, 12085496 (1987-2002). 18GA Wires.



*761909

- *761910 For Throttle Position Sensor, Various Sensors & Switches. Sensor# 17112679, PT375, PT743, 12102748, 12126473, (1989-2004). 20GA Wires.



*761910

GM Metri-Pack 150.2-Series 'P2S' Pigtails (Sealed)



- *761911 For Manifold Air Temperature Sensor (#25036751, PT307, 12046624, 12102620 (1984-2003). 18GA Wires



*761911

- *761912 For MAP, Mass Airflow Sensor for 2.8L GM Engines with Sequential Fuel Injection. PT119, 12085497 (1985-1996). 18GA Wires



*761912

- *761913 For Distributor Module / Idle Air Control / Various Crank Sensors (25526124, 25535481, 25526122). Modules (1987466, PT757, 12126487). 1985-1996. 18GA Wires



*761913

- *761914 For Direct Ignition / Door Lock Actuator (22144362, 22144363, PT247, 12101855). 1987-2003. 18GA Wires



*761914

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OEM Terminals



762169



762168



762167



762166

GM Metri-Pack 280-Series Terminals

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK	Mating Terminal...
12034046	20-18GA Female. Tab size: .110". Tin-Plated Brass	762169		762168
12034047	20-18GA Male. Tab size: .110". Tin-Plated Brass	762168		762169
12066214	18-14GA Female. Tab size: .110". Tin-Plated Brass	762167	762167C	762166(C)
12020116	18-14GA Male. Tab size: .110". Tin-Plated Brass	762166	762166C	762167(C)



GM Metri-Pack 280-Series Pigtails (Sealed)



*761915



*761916

*761915 For Multi-Port Fuel Fuel Injector Solenoid (PT113, 12085491). 1986-2003. 18GA Wires

*761916 For Conering / Fog Lamp & Speed Sensor. For Halogen Bulbs: 881, 889, 894 (PT120, 12043215, 12085498). 1984-2003. 18GA Wires



GM Metri-Pack 280-Series Pigtails, Special (Sealed)



*761917

*761917 For Tail Lamp with Vehicles with Metri-Pack (PT1014, 15305873). 1988+-. 18GA Wires

GM Metri-Pack 480-Series Terminals

OEM#	GA Size & Description	10 PCS/PK	Mating Terminal...
12124304	16-14GA Female. Tab size: .187". Tin-Plated Brass	762171	762170
12020120	16-14GA Male. Tab size: .187". Tin-Plated Brass	762170	762171
12052139	12-10GA Female. Tab size: .187". Tin-Plated Brass	762084	762085
12065197	12-10GA Male. Tab size: .187". Tin-Plated Brass	762085	762084



762171



762170



762084



762085

OEM Terminal/
Housing/Tool
Cross-Reference
is found on
page 65

OEM Terminals

GM Metri-Pack 630-Series Terminals

OEM#	GA Size & Description	10 PCS/PK	Mating Terminal...
12015870	16-14GA Female. Tab size: .250". Tin-Plated Brass	762172	762182
12020126	16-14GA Male. Tab size: .250". Tin-Plated Brass	762182	762172
12052456	12-10GA Female. Tab size: .250". Tin-Plated Brass	762086	762087
12064737	12-10GA Male. Tab size: .250". Tin-Plated Brass	762087	762086



762172



762182



762086



762087

GM Metri-Pack 630-Series Terminal Housing

OEM#	GA Size & Description	10 PCS/PK
12033731	2-Cavity Black Cover with Mounting Flange	*764138



*764138

GM Metri-Pack Series – Cable Seals

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK
12015899 (15324983)	24-22GA Dark Red (Silicone)	762088	762088C
12089679 (15324985)	22-20GA Purple (Silicone)	762192	762192C
12015323 (15324982)	20-18GA Green (Silicone)	762152	762152C
12048086 (15324973)	20-16GA Dark Red (Silicone)	762089	762089C
12010293 (15324980)	16-14GA Grey (Silicone)	762162	762162C
12015193 (15324981)	12-10GA Blue (Silicone)	762190	762190C



762088



762192



762152



762089



762162



762190

OEM Terminal/
Housing/Tool
Cross-Reference
is found on
page 65



OEM Terminal Cable Seals are available in packages of 10 or 100

GM Metri-Pack 150-Series – Cavity Plug

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK
12059168	Red Cavity Plug (Silicone). Use to plug empty cavities in Metri-Pack Connector Housings	*762198	*762198C



*762198

A

OEM Terminals

GM Weather-Pack Series Terminals



762151



762150



762154



762153



762189



762188



Most OEM Terminals can be made available on a convenient reel. Contact Techspan for availability.

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK	2200 PCS/ REEL	Mating Terminal...	Use with Housing...
12089188	20-18GA Female. Tin-Plated Brass	762151	762151C		762150(C)	762081, 762083, 762157, 762159(C), 762161(C), 762177, 762179
12089040	20-18GA Male. Tin-Plated Brass	762150	762150C		762151(C)	762080, 762082, 762156, 762158(C), 762160(C), 762176, 762178
12124580	16-14GA Female. Tin-Plated Brass	762154	762154C	762154RL	762153(C), (RL)	762081, 762083, 762157, 762159(C), 762161(C), 762177, 762179
12124582	16-14GA Male. Tin-Plated Brass	762153	762153C	762153RL	762154(C), (RL)	762080, 762082, 762156, 762158(C), 762160(C), 762176, 762178
12124581	12-10GA Female. Tin-Plated Brass	762189	762189C		762188(C)	762081, 762083, 762157, 762159(C), 762161(C), 762177, 762179
12124587	12-10GA Male. Tin-Plated Brass	762188	762188C		762189(C)	762080, 762082, 762156, 762158(C), 762160(C), 762176, 762178

GM Weather-Pack Series – Cable Seals



762088



762192



762152



762162



762190

OEM#	GA Size & Description	10 PCS/PK	100 PCS/PK
12015899 (15324983)	24-22GA Dark Red (Silicone)	762088	762088C
12089679 (15324985)	22-20GA Purple (Silicone)	762192	762192C
12015323 (15324982)	20-18GA Green (Silicone)	762152	762152C
12010293 (15324980)	16-14GA Grey (Silicone)	762162	762162C
12015193 (15324981)	12-10GA Blue (Silicone)	762190	762190C

OEM Terminal/
Housing/Tool
Cross-Reference
is found on
page 65

OEM Terminals

GM Weather-Pack Series Terminal Housings

***NEW**

OEM#	GA Size & Description	2 PCS/PK	10 PCS/PK	100 PCS/PK	Insulates Terminals...	Mating Housing...
12015791	1 Cavity Assembly Connector Tower. (Black) Nylon	*662157	762157		762151(C), 762154(C), (RL) 762189(C)	762156
12010996	1 Cavity Shroud (Black) Nylon	*662156	762156		762150(C), 762153(C), (RL) 762188(C)	762157
12015792	2 Cavity Assembly Connector Tower. (Black) Nylon	*662159	762159	762159C	762151(C), 762154(C), (RL) 762189(C)	762158(C)
12010973	2 Cavity Shroud. (Black) Nylon with Clip Slot	*662158	762158	762158C	762150(C), 762153(C), (RL) 762188(C)	762159(C)
12015793	3 Cavity Assembly Connector Tower. (Black) Nylon	*662161	762161	762161C	762151(C), 762154(C), (RL) 762189(C)	762160
12010717	3 Cavity Shroud. (Black) Nylon with Clip Slot	*662160	762160	762160C	762150(C), 762153(C), (RL) 762188(C)	762161
12015797	4 Cavity Assembly Connector Tower. (Black) Nylon	*662177	762177		762151(C), 762154(C), (RL) 762189(C)	762176
12010974	4 Cavity Shroud. (Black) Nylon with Clip Slot	*662176	762176		762150(C), 762153(C), (RL) 762188(C)	762177
12015798	4 Cavity Assembly Connector Square Tower. (Black) Nylon	*662081	762081		762151(C), 762154(C), (RL) 762189(C)	762080
12015024	4 Cavity Square Shroud. (Black) Nylon with Clip Slot	*662080	762080		762150(C), 762153(C), (RL) 762188(C)	762081
12034342	5 Cavity Assembly Connector Tower. (Black) Nylon	*662083	762083		762151(C), 762154(C), (RL) 762189(C)	762082
12065158	5 Cavity Shroud. (Black) Nylon with Clip Slot	*662082	762082		762150(C), 762153(C), (RL) 762188(C)	762083
12015799	6 Cavity Assembly Connector Tower. (Black) Nylon	*662179	762179		762151(C), 762154(C), (RL) 762189(C)	762178
12010975	6 Cavity Shroud. (Black) Nylon with Clip Slot	*662178	762178		762150(C), 762153(C), (RL) 762188(C)	762179

OEM Terminal/
Housing/Tool
Cross-Reference
is found on
page 65

A



762157



762156



762159



762158



762161



762160



762177



762176



762081



762080



762083



762082



762179



762178

GM Weather-Pack Series – Cavity Plug

OEM#	GA Size & Description	10 PCS/ PK	100 PCS/ PK
12010300	Green Cavity Plug (Silicone). Use to plug empty cavities in Weather-Pack Series Connector Housings.	762155	762155C



762155

A

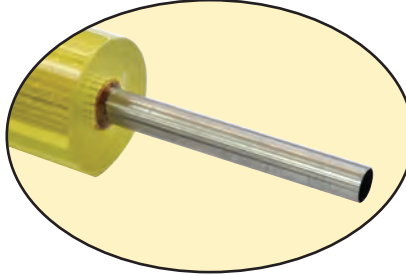
OEM Terminal Tools

OEM Weather Pack Terminal Extractor Tool

762183 Designed for extracting Weather Pack terminals from their connector housing. Simply slide the hollow shaft of the tool over the terminal retention barbs, then pull the terminal out of its connector housing. Length: 4" (101.60mm).
OEM# 12014012



762183



OEM Terminal Extractor Tools

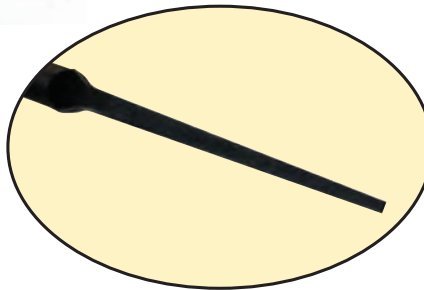
Used to release most GM, Ford and Chrysler OEM terminals from their insulating housings.
Note: not suitable for round, pin-type terminals.

762184 Narrow blade. Length: 5-1/4" (133.35mm). **OEM# 12094429**

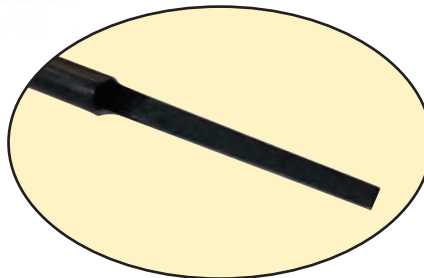
762185 Wide blade. Length: 5" (127.00mm). **OEM# 12094430**



762184



762185



OEM Terminal Tools

OEM Terminal Crimp Tool

- 762186** Premium quality ratchet-style tool crimps 20GA to 14GA Weather-Pack series and 20GA to 14GA Metri-Pack 280-series terminals in a single motion. Featuring a terminal locator, this tool will hold terminal in place for a perfect crimp. Length: 11-1/2" (292.10mm).
OEM# 12014254



762186 Crimp Tool for 20-14GA OEM Terminals

OEM & Open Barrel Terminal Crimp Tools

- 761807** Ratchet crimp tool for OEM and Open Barrel Terminals. Features a smooth, ergonomic handle for comfort and performance. Triple nested die allows crimping of wire sizes 22-18GA, 16-14GA, & 12-10GA Length: 10-1/4" (260.35mm)



761807 Crimp Tool for 22-10GA
OEM & Open Barrel Terminals

- 761436** Crimps 24GA to 14GA OEM and Open Barrel Terminals. Provides a precision 'F'-shaped crimp. Length: 8-1/4" (209.55mm)



761436 Crimp Tool for 24-14GA OEM & Open Barrel Terminals

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OEM Terminals



762187 1140 pc OEM Terminal 'Flip' Kit

OEM Terminal Assortment – 'Flip' Kit

This assortment contains 1140 pieces of the most popular GM OEM and Crimp 'N' Shrink Butt Connectors. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

762187 1140 pc OEM Terminal Assortment Flip Kit contains:

Part#	OEM# / Description	Qty
761244	22-18GA Red Crimp 'N' Shrink Butt Splice	25 pcs
761245	16-14GA Blue Crimp 'N' Shrink Butt Splice	25 pcs
762150	#12089040 Weather-Pack 20-18GA Male	100 pcs
762151	#12089188 Weather-Pack 20-18GA Female	100 pcs
762152	#12015323 Seal 20-18GA (Green, Silicone)	100 pcs
762153	#12124582 Weather-Pack 16-14GA Male	100 pcs
762154	#12124580 Weather-Pack 16-14GA Female	100 pcs
762155	#12010300 Cavity Plug (Green, Silicone)	100 pcs
762156	#12010996 1-Cavity Shroud (Black, Nylon)	10 pcs
762157	#12015791 1-Cavity Connector Tower (Black, Nylon)	10 pcs
762158	#12010973 2-Cavity Shroud (Black, Nylon) Clip Slot	10 pcs
762159	#12015792 2-Cavity Connector Tower (Black, Nylon)	10 pcs
762160	#12010717 3-Cavity Shroud (Black, Nylon) Clip Slot	10 pcs
762161	#12015793 3-Cavity Connector Tower (Black, Nylon)	10 pcs
762162	#12010293 Seal 16-14GA (Grey, Silicone)	100 pcs
762176	#12010974 4-Cavity Shroud (Black, Nylon)	10 pcs
762177	#12015797 4-Cavity Connector Tower (Black, Nylon)	10 pcs
762178	#12010975 6-Cavity Shroud (Black, Nylon) Clip Slot	5 pcs
762179	#12015799 6-Cavity Connector Tower (Black, Nylon)	5 pcs
762188	#12124587 Weather-Pack 12-10GA Male	100 pcs
762189	#12124581 Weather-Pack 12-10GA Female	100 pcs
762190	#12015193 Seal 12-10GA (Blue, Silicone)	100 pcs



762191 OEM Terminal Assortment Kit in a Plastic Storage Tray

OEM Terminal 'Mini Flip Kit' Assortment

This handy assortment comes complete with 574 pieces of 13 widely used OEM Terminals and accessories in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H

762191 574 pc OEM Terminal Assortment Flip Kit contains:

Part#	OEM# / Description	Qty
762150	#12089040 Weather-Pack 20-18GA Male	100 pcs
762151	#12089188 Weather-Pack 20-18GA Female	100 pcs
762152	#12015323 Seal 20-18GA (Green, Silicone)	50 pcs
762153	#12124582 Weather-Pack 16-14GA Male	100 pcs
762154	#12124580 Weather-Pack 16-14GA Female	100 pcs
762155	#12010300 Cavity Plug (Green, Silicone)	50 pcs
762162	#12010293 Seal 16-14GA (Grey, Silicone)	50 pcs
762156	#12010996 1-Cavity Shroud (Black, Nylon)	5 pcs
762157	#12015791 1-Cavity Connector Tower (Black, Nylon)	5 pcs
762158	#12010973 2-Cavity Shroud (Black, Nylon) Clip Slot	5 pcs
762159	#12015792 2-Cavity Connector Tower (Black, Nylon)	5 pcs
762176	#12010974 4-Cavity Shroud (Black, Nylon)	2 pcs
762177	#12015797 4-Cavity Connector Tower (Black, Nylon)	2 pcs

OEM Terminal & Tool Cross-Reference

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OEM Part#	Techspan Part#	Page#	OEM Part#	Techspan Part#	Page#	OEM Part#	Techspan Part#	Page#
#12010293	762162(C)	59	#12047581	762164	56	#12162000	761903	56
#12010300	762155(C)	61	#12047767	762165	56	#12162102	761907	56
#12010717	662160, 762160(C)	61	#12047948	761906, 761907	56	#12162144	761906	56
#12010973	662158, 762158(C)	61	#12048074	762077	56	#15305873	761917	58
#12010974	662176, 762176	61	#12048086	762089(C)	59	#15324973	762089(C)	59
#12010975	662178, 762178	61	#12052139	762084	58	#15324980	762162(C)	59
#12010996	662156, 762156	61	#12052456	762086	59	#15324981	762190(C)	59
#12014012	762183	62	#12052634	761902, 761903	56	#15324982	762152(C)	59
#12014254	762186	63	#12052641	761902	56	#15324983	762088(C)	59
#12015024	662080, 762080	61	#12052845	761904, 761905	56	#15324985	762192(C)	59
#12015193	762190(C)	59	#12059168	762198(C)	59	#17112679	761910	57
#12015323	762152(C)	59	#12064737	762087	59	#1987466	761913	57
#12015791	662157, 762157	61	#12065158	662082, 762082	61	#2096466	761901(C)	54
#12015792	662159, 762159(C)	61	#12065197	762085	58	#2096467	761900(C)	54
#12015793	662161, 762161(C)	61	#12066214	762167(C)	58	#22144362	761914	57
#12015797	662177, 762177	61	#12085491	761915	58	#22144363	761914	57
#12015798	662081, 762081	61	#12085496	761909	57	#25036751	761911	57
#12015799	662179, 762179	61	#12085497	761912	57	#25526122	761913	57
#12015870	762172	59	#12085498	761916	58	#25526124	761913	57
#12015899	762088(C)	59	#12089040	762150(C)	60	#25535481	761913	57
#12020116	762166(C)	58	#12089188	762151(C)	60	#2962447	762138(C)	54
#12020120	762170	58	#12089507	762148	55	#2962448	762139	54
#12020126	762182	59	#12089649	762149	55	#2962984	762137	54
#12020320	762141	55	#12089679	762192(C)	59	#2962987	762136	54
#12020346	762142	55	#12094429	762184	62	#2965470	761901(C)	54
#12020347	762144	55	#12094430	762185	62	#2965580	761900(C)	54
#12033731	764138	59	#12101855	761914	57	#6294493	762140	54
#12033817	762145	55	#12102620	761911	57	#6294511	762143	55
#12034046	762169	58	#12102747	761908	57	#C15F-14474A	761900(C)	54
#12034047	762168	58	#12102748	761910	57	#C5AB-14474B	791901(C)	54
#12034342	662083, 762083	61	#12103881	762163	56			
#12040902	762174	55	#12110293	761904	56			
#12043215	761916	58	#12124075	762079	56			
#12045773	762078	56	#12124304	762171	58			
#12046624	761911	57	#12124580	762154(C,RL)	60			
			#12124581	762189(C)	60			
			#12124582	762153(C,RL)	60			
			#12124587	762188(C)	60			
			#12126473	761910	57			
			#12126487	761913	57			
			#12129615	761905	56			

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Deutsch Connectors

Features & Benefits

Deutsch connectors are ideal where dust, dirt, moisture, salt spray, and vibration can contaminate or damage electrical connections.

Deutsch Features

- **Common contacts** – a small number of contacts terminates multiple Deutsch connectors.
- **Maximum current rating** – majority of the contacts do not require a derating curve to determine proper application.
- **Common tooling** – hand crimp tools, automated or semi-automated tooling are available for solid or stamped & formed contacts.
- **Environmental seal** – will handle extreme applications.
- **Gas tight crimp terminations** – when properly crimped, provide a gas tight crimp which is highly resistant to increases in resistance as a result of temperature and oxidation.
- **High performance molded shells** – impact resistant and fire retardant.
- **Redundant silicone seals** – many connectors feature integral components that reduce wire termination assembly time and cost.
- **Hand insertable/removable contacts** – no special contact insertion tools and simplified service.
- **Keying options** – prevents mismatching in multiple connector applications.
- No contact retention "tangs."
- Extended wire sealing ranges.

Deutsch Benefits

- ✓ Easy to use
- ✓ Minimized warranty claims
- ✓ Added customer value
- ✓ Lower tooling costs
- ✓ Minimized electrical failures
- ✓ Eliminate mismatching
- ✓ Reduced assembly time
- ✓ Simplified field service
- ✓ Decreased down time
- ✓ Reduced repair time
- ✓ Increased product confidence
- ✓ Reduced repair expense
- ✓ Lower inventory cost
- ✓ Increased reliability



Why Deutsch is Better

Deutsch industrial environmentally sealed electrical connectors are for critical applications where failure is not an option. Deutsch connectors are designed to withstand the harshest and most challenging environments. Deutsch industrial connectors feature:

- **A Common Contact System** – A single contact system terminates all Deutsch connectors by utilizing common tooling and processes. The only variation among the contacts is the size of the terminal, which is dictated by the wire gauge.
- **Increased Socket-Terminal Performance** – Deutsch sockets are copper crimp-type terminals with a stainless steel sleeve covering the contact fingers. The sleeve protects the fingers from damage and increases service life.
- **Air-Tight Crimp Terminations** – When properly crimped, Deutsch terminations provide an air-tight crimp which is highly resistant to increases in resistance caused by oxidation and variations in temperature.
- **No Retention "Tangs"** – Deutsch contact retention is part of the connector body, not the contact, and therefore not exposed to damage during assembly and rework.
- **Exact Contact Process Control** – Deutsch solid contacts are manufactured by a cold-forming process, eliminating most random variations and leading to consistent and predictable performance.
- **Exact Metal Process Control** – Deutsch metal shells are manufactured by a cold-extrusion process which reduces the quantity of raw material needed and eliminating water penetration through the shell. This process leads to higher performance and lower cost.
- **Hi-Performance Molded Shells** – To reduce the risk of fire, Deutsch uses flame-retardant, high-grade thermoplastics for all molded Deutsch connector components.
- **Dielectric Contact Retention** – The Deutsch contact retention system requires terminal insertion through the rear of the connector, increasing production speed and lowering cost by eliminating the need to terminate the wire after it has passed through the connector.
- **Silicon Wire Seals** – Deutsch wire seals are an integral component of the connector, eliminating the need to assemble separate wire seals on leads, and reducing wire termination assembly time and cost.
- **No Additional Sealing Required** – Deutsch connector interfacial seals lower assembly cost because they do not require "graffo grease" or other additives to make them water-proof.
- **Impact Resistant Materials** – Rugged thermoplastic materials are selected to prevent breakage caused by impact during use.
- **Fail Safe Connector Assembly** – DT connectors are designed to allow the wedgelock to be installed only if the contacts are fully and properly inserted, and to allow the connectors to mate only if the wedgelocks are fully inserted.
- **Improved Field Performance** – Deutsch connectors are designed to carry the rated current at maximum rated temperature.
- **Extended Wire Sealing Range** – Deutsch connector wire seals are designed to seal properly over a broad wire diameter range. Deutsch connectors provide secure wire seals with a minimum number of parts, streamlining the design process and simplifying inventory management.
- **Damage Resistant Latches** – DT "push down" connector latches provide increased damage resistance.



Deutsch Connectors

Technical Specifications

Deutsch Industrial takes great pride in designing and manufacturing superior environmentally sealed electrical connectors. Deutsch electrical connectors will stand up to the harsh environmental challenges that are common to industrial markets that require advanced performance. Deutsch can only warrant electrical performance when proper parts, procedures, and tooling are used.

Temperature

Operating at temperatures from -55°C to +125°C continuous at rated current.

Durability

No electrical or mechanical defects after 100 cycles of engagement and disengagement.

Vibration

No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.

Physical Shock

No unlocking, unmating, or other unsatisfactory result during or after 50 G's in each of three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond. MIL-STD 202, Method 213, Condition "C".

Fluid Resistance

Connectors show no damage when exposed to most fluids used in industrial applications.

Insulation Resistance

1000 megohms minimum at 25°C.

Moisture Resistance

Properly wired and mated connections will withstand immersion under three feet of water without loss of electronic qualities or leakage.

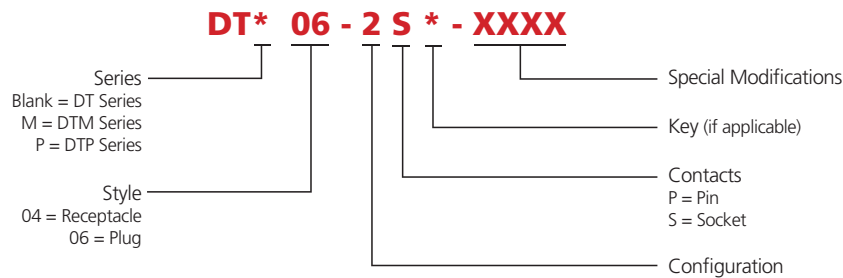
Dielectric Withstanding Voltage

Current leakage less than 2 milliamps at 1500 VAC.

Thermal Cycle

No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C.

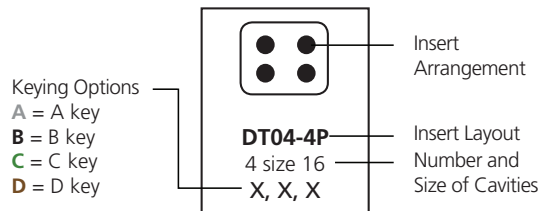
DT Family Product Code



Connector Overview

All Deutsch connectors are designed for harsh environments where dust, dirt, moisture, and vibration can damage electrical connections. Deutsch Industrial offers a comprehensive product line that features connector options to meet a myriad of design requirements. Cavity arrangements are available from 1 to 128 cavities, and wire gauges from 26 AWG up to 3/0 AWG. Deutsch connectors offer different shapes, latching mechanisms, mounting styles, and materials to meet diverse application requirements and all Deutsch product lines offer accessories to further expand the series flexibility.

DT Family Connector Configurations



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Deutsch Connectors

Deutsch Connectors – ‘DT-Series’

Deutsch’s DT Series connectors offer field proven reliability and rugged quality. The DT design strengths include optional flange mounting, multi-pin arrangements, lower cost, and design flexibility. The DT Series offers the designer the ability to use multiple size 16 contacts, each with 13 amp continuous capacity, within a single shell. (Pictures are shown with front and back view for illustrative purposes only)

Material Specifications

Contacts:

Pin & Socket: Copper alloy

Finish: Gold & Nickel plating



*763356 (0462-201-1631)



*763357 (0460-202-1631)



*763358 (0462-209-1631)



*763359 (0460-215-1631)

‘DT-Series’: Contacts (Solid Barrel) – Gold Plated



Type	Barrel Type	GA Size	Deutsch# (Contact)	10 PCS/PK	100 PCS/PK
Socket	Solid Barrel	20-16GA	0462-201-1631	*763356	*763356C
Pin	Solid Barrel	20-16GA	0460-202-1631	*763357	*763357C
Socket	Solid Barrel	16-14GA	0462-209-1631	*763358	*763358C
Pin	Solid Barrel	16-14GA	0460-215-1631	*763359	*763359C

*NEW

*NEW

*NEW

*NEW



763306 (0462-201-16141)



763307 (0460-202-16141)



763308 (0462-209-16141)



763309 (0460-215-16141)

‘DT-Series’: Contacts (Solid Barrel) – Nickel Plated

Type	Barrel Type	GA Size	Deutsch# (Contact)	10 pcs/Bag	100 pcs/Bag
Socket	Solid Barrel	20-16GA	0462-201-16141	763306	763306C
Pin	Solid Barrel	20-16GA	0460-202-16141	763307	763307C
Socket	Solid Barrel	16-14GA	0462-209-16141	763308	763308C
Pin	Solid Barrel	16-14GA	0460-215-16141	763309	763309C



763314 (1062-16-0622 / 1062-16-0122)



763315 (1060-16-0622 / 1060-16-0122)



763316 (1062-14-0122)



763317 (1060-14-0122)

‘DT-Series’: Contacts (Open Barrel) – Nickel Plated

Type	Barrel Type	GA Size	Deutsch# (Contact)	10 pcs/Bag	100 pcs/Bag
Socket	Open Barrel	18-16GA	1062-16-0622 / 1062-16-0122	763314	763314C
Pin	Open Barrel	18-16GA	1060-16-0622 / 1060-16-0122	763315	763315C
Socket	Open Barrel	16-14GA	1062-14-0122	763316	763316C
Pin	Open Barrel	16-14GA	1060-14-0122	763317	763317C

Deutsch Connectors – Empty Cavity Plug

Open cavities can provide pathways for contaminants to enter the connectors. To ensure integrity of the seal, fill any unused cavity with the appropriate size sealing plug.



763305 (114017)

Empty Cavity Plug

Deutsch#	GA Size Range	Contact Size	10 pcs/Bag	100 pcs/Bag
114017	20-12GA	Size 16,12	763305	763305C

Deutsch Connectors

'DT-Series'

Material Specifications

Grommet: Silicone rubber

Insert Retainer: Thermoplastic

Receptacle Interfacial Seal: Silicone rubber

Shell: Thermoplastic

Wedgelocks: Thermoplastic

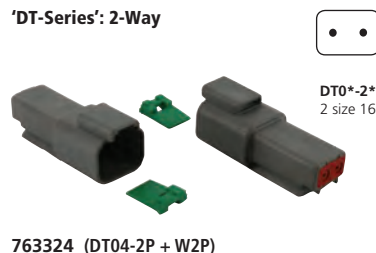
Key Features:

- Accepts contact size 16 (13 amps)
- 20-14GA
- 2, 3, 4, 6, 8, and 12 cavity arrangements
- In-line, flange, or PCB mount
- Rectangular, thermoplastic housing
- Integrated latch for mating
- Wedgelocks assure contact alignment and retention

'DT-Series': Housings & Wedgelocks

	'DT-Series' Housings & Wedgelocks	Deutsch# (Housing + Wedgelock)	1 Set	10 Sets
	2-Way Receptacle Housing & Wedgelock	DT04-2P + W2P	763324	763324B
	2-Way Plug Housing & Wedgelock	DT06-2S + W2S	763325	763325B
	3-Way Receptacle Housing & Wedgelock	DT04-3P + W3P	763326	763326B
	3-Way Plug Housing & Wedgelock	DT06-3S + W3S	763327	763327B
	4-Way Receptacle Housing & Wedgelock	DT04-4P + W4P	763328	763328B
	4-Way Plug Housing & Wedgelock	DT06-4S + W4S	763329	763329B
	6-Way Receptacle Housing & Wedgelock	DT04-6P + W6P	763330	763330B
	6-Way Plug Housing & Wedgelock	DT06-6S + W6S	763331	763331B
	8-Way Receptacle Housing & Wedgelock	DT04-08P(A) + W8P	763332	763332B
	8-Way Plug Housing & Wedgelock	DT06-08S(A) + W8S	763333	763333B
	12-Way Receptacle Housing & Wedgelock	DT04-12P(A) + W12P	763334	763334B
	12-Way Plug Housing & Wedgelock	DT06-12S(A) + W12S	763335	763335B

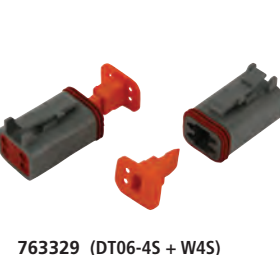
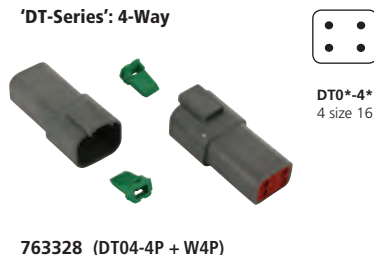
'DT-Series': 2-Way



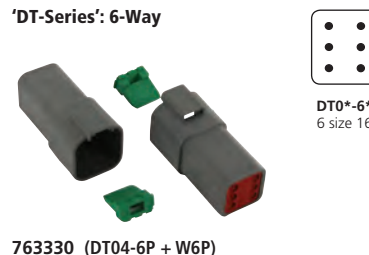
'DT-Series': 3-Way



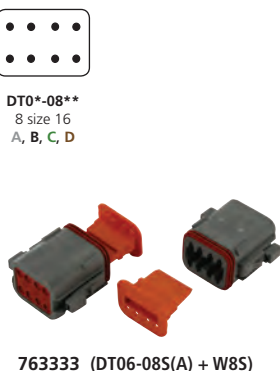
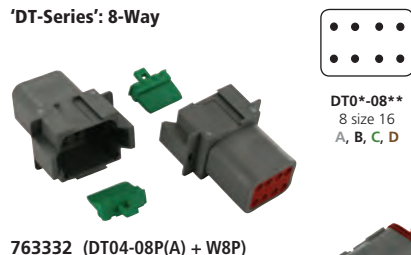
'DT-Series': 4-Way



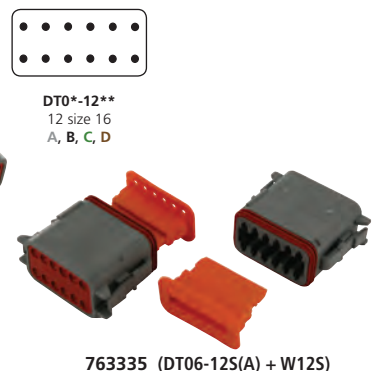
'DT-Series': 6-Way



'DT-Series': 8-Way



'DT-Series': 12-Way



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Deutsch Connectors

2-Way Deutsch Harnesses



• DT-Series • Solid Barrel Contacts • 16GA, 12" Wire Leads • Heat Shrink Butt Splices included

Connection	Harness Consists of:	1 Kit/PK	10 Kits/PK
2-Way Plug	DT06-2S Housing + W2S Wedgelock + 0462-201-16141 Solid Contacts + 16GA Wire (12")	763366	763366B
2-Way Receptacle	DT04-2P Housing + W2P Wedgelock + 0460-202-16141 Solid Contacts + 16GA Wire (12")	*763365	*763365B



*763366



*763365

Looking for other Deutsch Harness options?

Contact Techspan for availability of other pre-made Deutsch Harnesses. Minimum orders apply.



WHY CHOOSE PRE-MADE DEUTSCH HARNESSES?

- ✓ No Deutsch Crimping Required
- ✓ Save Time & Labour Costs
- ✓ Ready-to-Connect to most LED Tractor/Utility Lamps

Deutsch Connectors

DT-Series Deutsch Connector Assortment – ‘Flip Kit’

763354 This assortment contains 574 pieces/sets of widely used Deutsch Connectors. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

Kit Contents:

Part #	Deutsch#	Qty.	Part #	Deutsch#	Qty.
763301	0411-240-2005	1 pc	763324	DT04-2P + W2P	10 sets
763302	0411-336-1605	1 pc	763325	DT06-2S + W2S	10 sets
763303	0411-204-1605	1 pc	763326	DT04-3P + W3P	10 sets
763304	0411-291-1405	1 pc	763327	DT06-3S + W3S	10 sets
763305	114017	50 pcs	763328	DT04-4P + W4P	10 sets
763306	0462-201-16141	50 pcs	763329	DT06-4S + W4S	10 sets
763307	0460-202-16141	50 pcs	763330	DT04-6P + W6P	10 sets
763308	0462-209-16141	50 pcs	763331	DT06-6S + W6S	10 sets
763309	0460-215-16141	50 pcs	763332	DT04-08P + W8P	10 sets
763314	1062-16-0622	50 pcs	763333	DT06-08S + W8S	10 sets
763315	1060-16-0622	50 pcs	763334	DT04-12P + W12P	10 sets
763316	1062-14-0122	50 pcs	763335	DT06-12S + W12S	10 sets
763317	1060-14-0122	50 pcs	763352	Crimp Tool	1 pc



763354 574 pc Deutsch Connectors' 'Flip Kit'

DT-Series Deutsch Connector 'Mini Flip Kit' Assortments

Open & Solid Barrel Contacts

763353 This handy assortment comes complete with 98 pieces/sets of widely used (DT-Series) Deutsch Connectors (18 types in all) in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H

Kit Contents:

Part #	Deutsch#	Qty.	Part #	Deutsch#	Qty.
763306	0462-201-16141	10 pcs	763325	DT06-2S + W2S	2 Sets
763307	0460-202-16141	10 pcs	763326	DT04-3P + W3P	2 Sets
763308	0462-209-16141	10 pcs	763327	DT06-3S + W3S	2 Sets
763309	0460-215-16141	10 pcs	763328	DT04-4P + W4P	2 Sets
763314	1062-16-0622	10 pcs	763329	DT06-4S + W4S	2 Sets
763315	1060-16-0622	10 pcs	763330	DT04-6P + W6P	2 Sets
763316	1062-14-0122	10 pcs	763331	DT06-6S + W6S	2 Sets
763317	1060-14-0122	10 pcs	763332	DT04-08P + W8P	1 Set
763324	DT04-2P + W2P	2 Sets	763333	DT06-08S + W8S	1 Set



763353 DT-Series Deutsch Connectors' Assortment Kit in a Plastic Storage Tray

Solid Barrel Contacts Only

763355 This handy assortment comes complete with 67 pieces/sets of widely used (DT-Series) Deutsch Connectors with **Solid Barrel Contacts only** (16 types in all) in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H

Kit Contents:

Part #	Deutsch#	Qty.	Part #	Deutsch#	Qty.
763306	0462-201-16141	10 pcs	763328	DT04-4P + W4P	2 Sets
763307	0460-202-16141	10 pcs	763329	DT06-4S + W4S	2 Sets
763308	0462-209-16141	10 pcs	763330	DT04-6P + W6P	2 Sets
763309	0460-215-16141	10 pcs	763331	DT06-6S + W6S	2 Sets
763324	DT04-2P + W2P	4 Sets	763332	DT04-08P + W8P	1 Set
763325	DT06-2S + W2S	4 Sets	763333	DT06-08S + W8S	2 Sets
763326	DT04-3P + W3P	2 Sets	763334	DT04-12P(A) + W12P	2 Sets
763327	DT06-3S + W3S	2 Sets	763335	DT06-12S(A) + W12S	2 Sets



*763355 DT-Series Deutsch Connectors' Assortment Kit (Solid Barrel Contacts Only) in a Plastic Storage Tray

A

Deutsch Connectors

Deutsch Connectors – ‘DTM-Series’

Deutsch's DTM Series connectors are the answer to all of your smaller wire gauge applications. Building on the DT design strengths, the DTM connector line was developed to fill the need for lower amperage, multipin, inexpensive connectors. The DTM Series offers the designer the ability to use multiple size 20 contacts, each with 7.5 amp continuous capacity, within a single shell. (Pictures are shown with front and back view for illustrative purposes only)

Material Specifications

Contacts:

Pin & Socket: Copper alloy

Finish: Nickel plating

Optional: Gold plating



763310 (0462-201-20141)



763311 (0460-202-20141)

'DTM-Series': Contacts (Solid Barrel)

Type	Barrel Type	GA Size	Deutsch# (Contact)	10 pcs/Bag	100 pcs/Bag
Socket	Solid Barrel	24-20GA	0462-201-20141	763310	763310C
Pin	Solid Barrel	24-20GA	0460-202-20141	763311	763311C



763318 (1062-20-0222 / 1062-20-0122)



763319 (1060-20-0222 / 1060-20-0122)

'DTM-Series': Contacts (Open Barrel)

Type	Barrel Type	GA Size	Deutsch# (Contact)	10 pcs/Bag	100 pcs/Bag
Socket	Open Barrel	20-16GA	1062-20-0222 / 1062-20-0122	763318	763318C
Pin	Open Barrel	20-16GA	1060-20-0222 / 1060-20-0122	763319	763319C

Deutsch Connectors – Empty Cavity Plug

Open cavities can provide pathways for contaminants to enter the connectors. To ensure integrity of the seal, fill any unused cavity with the appropriate size sealing plug.



763305 (114017)

Empty Cavity Plug

Deutsch#	GA Size Range	Contact Size	10 pcs/Bag	100 pcs/Bag
114017	20-12GA	Size 16,12	763305	763305C

DTM-Series Deutsch Connector 'Mini Flip Kit' Assortment



*763367 249 PC DTM-Series Deutsch Connector 'Mini Flip Kit'

*763367 This handy assortment comes complete with 249 pieces/sets of widely used (DTM-Series) Deutsch Connectors (18 types in all) in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H.

Kit Contents:

Part#	Deutsch #	Qty	Part#	Deutsch #	Qty
763301	0411-240-2005	1 pc	763339	DTM06-3S + WM-3S	2 sets
763305	114017	100 pcs	763340	DTM04-4P + WM-4P	2 sets
763310	0462-201-20141	50 pcs	763341	DTM06-4S + WM-4S	2 sets
763311	0460-202-20141	50 pcs	763342	DTM04-6P + WM-6P	2 sets
763318	1062-20-0222	10 pcs	763343	DTM06-6S + WM-6S	2 sets
763319	1060-20-0222	10 pcs	763344	DTM04-08P(A) + WM-8P	2 sets
763336	DTM04-2P + WM-2P	4 sets	763345	DTM06-08S(A) + WM-8S	2 sets
763337	DTM06-2S + WM-2S	4 sets	763346	DTM04-12P(A) + WM-12P	2 sets
763338	DTM04-3P + WM-3P	2 sets	763347	DTM06-12S(A) + WM-12S	2 sets

Deutsch Connectors

'DTM-Series'

Material Specifications

Grommet: Silicone rubber

Insert Retainer: Thermoplastic

Receptacle Interfacial Seal: Silicone rubber

Shell: Thermoplastic

Wedgelocks: Thermoplastic

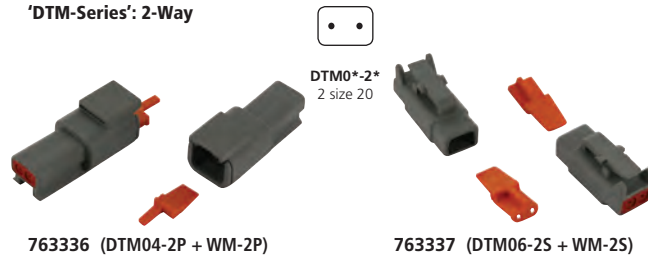
Key Features:

- Accepts contact size 20 (7.5 amps)
- 22-14GA
- 2, 3, 4, 6, 8, and 12 cavity arrangements
- In-line, flange, or PCB mount
- Rectangular, thermoplastic housing
- Integrated latch for mating
- Wedgelocks assure contact alignment and retention

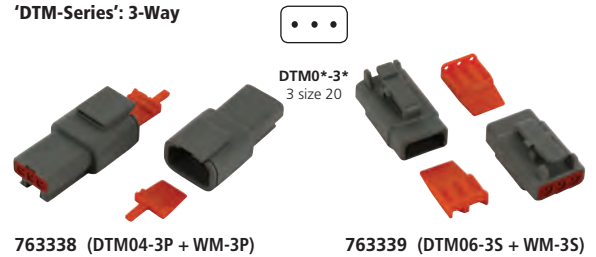
'DTM-Series': Housings & Wedgelocks

	'DTM-Series' Housings & Wedgelocks	Deutsch# (Housing + Wedgelock)	1 Set	10 Sets
	2-Way Receptacle Housing & Wedgelock	DTM04-2P + WM-2P	763336	763336B
	2-Way Plug Housing & Wedgelock	DTM06-2S + WM-2S	763337	763337B
	3-Way Receptacle Housing & Wedgelock	DTM04-3P + WM-3P	763338	763338B
	3-Way Plug Housing & Wedgelock	DTM06-3S + WM-3S	763339	763339B
	4-Way Receptacle Housing & Wedgelock	DTM04-4P + WM-4P	763340	763340B
	4-Way Plug Housing & Wedgelock	DTM06-4S + WM-4S	763341	763341B
	6-Way Receptacle Housing & Wedgelock	DTM04-6P + WM-6P	763342	763342B
	6-Way Plug Housing & Wedgelock	DTM06-6S + WM-6S	763343	763343B
	8-Way Receptacle Housing & Wedgelock	DTM04-08P(A) + WM-8P	763344	763344B
	8-Way Plug Housing & Wedgelock	DTM06-08S(A) + WM-8S	763345	763345B
	12-Way Receptacle Housing & Wedgelock	DTM04-12P(A) + WM-12P	763346	763346B
	12-Way Plug Housing & Wedgelock	DTM06-12S(A) + WM-12S	763347	763347B

'DTM-Series': 2-Way



'DTM-Series': 3-Way



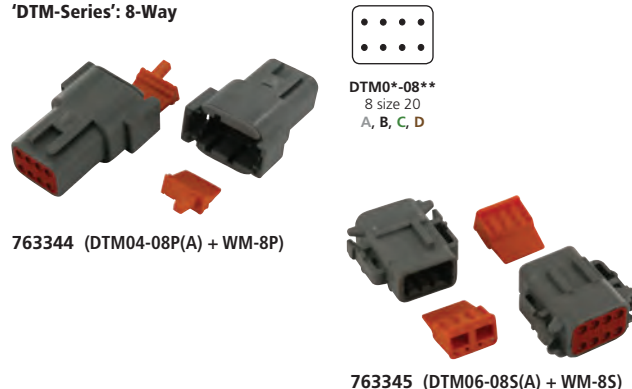
'DTM-Series': 4-Way



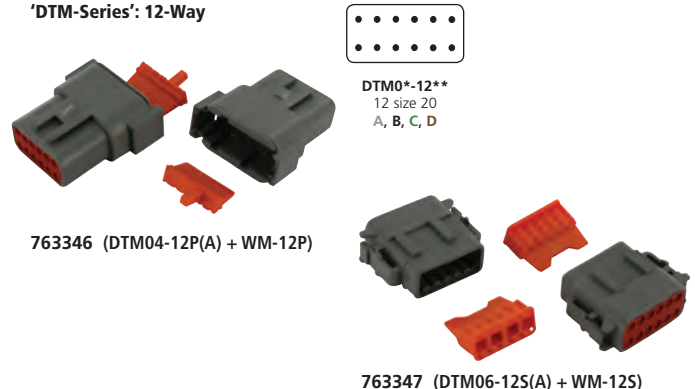
'DTM-Series': 6-Way



'DTM-Series': 8-Way



'DTM-Series': 12-Way



A

Deutsch Connectors

Deutsch Connectors – ‘DTP-Series’

Deutsch’s DTP Series connectors are the solution for your power application requirements. Building on both the DT and DTM design strengths, the DTP connector line was developed to fill the need for higher amperage, multi-pin, inexpensive connectors. The DTP Series offers the designer the ability to use multiple size 12 contacts, each with a 25 amp continuous capacity, within a single shell. The DTP connectors are currently available in two and four pin configurations. (Pictures below are shown with front and back view for illustrative purposes only)



‘DTP-Series’: Contacts (Open Barrel)

Type	Barrel Type	GA Size	Deutsch# (Contact)	10 pcs/Bag	100 pcs/Bag
Socket	Open Barrel	14-12GA	1062-12-0166	763320	763320C
Pin	Open Barrel	14-12GA	1060-12-0166	763321	763321C
Socket	Open Barrel	12-10GA	1062-12-0222	763322	763322C
Pin	Open Barrel	12-10GA	1060-12-0222	763323	763323C

Pin & Socket: Copper alloy Finish: Nickel plating Optional: Gold plating

Material Specifications

Pin & Socket: Copper alloy Finish: Nickel plating
Optional: Gold plating
Grommet: Silicone rubber
Insert Retainer: Thermoplastic
Receptacle Interfacial Seal: Silicone rubber
Shell: Thermoplastic **Wedgelocks:** Thermoplastic

Key Features:

- Accepts contact size 12 (25 amps) • 14-10GA
- 2 and 4 cavity arrangements • In-line, flange, or PCB mount • Rectangular, thermoplastic housing
- Integrated latch for mating
- Wedgelocks assure contact alignment and retention

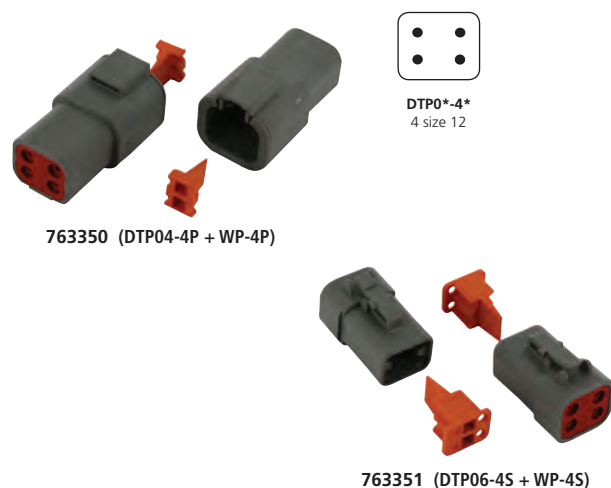
‘DTP-Series’: Housings & Wedgelocks

	‘DTP-Series’ Housings & Wedgelocks	Deutsch# (Housing + Wedgelock)	1 Set	10 Sets
	2-Way Receptacle Housing & Wedgelock	DTP04-2P + WP-2P	763348	763348B
	2-Way Plug Housing & Wedgelock	DTP06-2S + WP-2S	763349	763349B
	4-Way Receptacle Housing & Wedgelock	DTP04-4P + WP-4P	763350	763350B
	4-Way Plug Housing & Wedgelock	DTP06-4S + WP-4S	763351	763351B

‘DTP-Series’: 2-Way



‘DTP-Series’: 4-Way



Deutsch Connectors – Empty Cavity Plug

Open cavities can provide pathways for contaminants to enter the connectors. To ensure integrity of the seal, fill any unused cavity with the appropriate size sealing plug.



Empty Cavity Plug

Deutsch#	GA Size Range	Contact Size	10 pcs/Bag	100 pcs/Bag
114017	20-12GA	Size 16,12	763305	763305C

Deutsch Connectors

Deutsch Connectors – HD20, HD30, DTHD Series'

HD20, HD30, DTHD Series': Contacts (Solid Barrel)

Type	Barrel Type	GA Size	Deutsch# (Contact)	10 pcs/Bag	100 pcs/Bag
Socket	Solid Barrel	14-12GA	0462-203-12141	763312	763312C
Pin	Solid Barrel	14-12GA	0460-204-12141	763313	763313C



763312 (0462-203-12141)



763313 (0460-204-12141)

Deutsch Connectors – Empty Cavity Plug

Open cavities can provide pathways for contaminants to enter the connectors. To ensure integrity of the seal, fill any unused cavity with the appropriate size sealing plug.

Empty Cavity Plug

Deutsch#	GA Size Range	Contact Size	10 pcs/Bag	100 pcs/Bag
114017	20-12GA	Size 16,12	763305	763305C



763305 (114017)

Contact us if you are looking for a Deutsch Connector that you don't see in this catalogue



A

Deutsch Connectors – Tools

Deutsch Connectors – Crimp Tools

Crimps Solid Barrel Deutsch contacts (22-12GA) without having to change dies or locators. They provide a tight, complete, symmetrical crimp with minimal effort. Their compact feature makes it easy to use for field service yet are durable and reliable enough for low volume production. Hand crimp tools for stamped and formed contacts are wire gauge specific and simultaneously crimp the insulation and conductor, saving time and effort during field service. Approximate length: 10¼" (260.35mm)

Part #	Description
763300	Direct HDT-48-00 equivalent. '4-indent' Crimp
*563300	Aftermarket option. '8-indent' Crimp

***NEW**



763300



*563300



763352

4-Way Indent Crimp Tool

763352 Crimps 22 to 16GA Deutsch Connector Contacts (DT & DTM Series). Ratchet mechanism releases only after proper crimp force is applied assuring reliable connections every time. Locator holds contacts in place during the crimping process. This tool can be also used to crimp closed/solid barrel, screw machine pin and socket style contacts. Performs a simultaneous 4-way indent crimp for superior contact retention. Approximate length: 6-1/2" (165.10mm)



Open Barrel Terminal Crimp Tool

761436 Crimps 24GA to 14GA OEM and Open Barrel Terminals. Provides a precision 'F'-shaped crimp. Length: 8-1/4" (209.55mm)

761436 Crimp Tool for 24-14GA OEM & Open Barrel Terminals

Deutsch Connectors – Tools

Deutsch Connectors – Removal Tools (Metallic)



GA Size Range	Contact Size	Colour	Part #
24-20GA	20	Red	*763361
18-16GA	16	Blue	*763362
16-14GA	14	Yellow	*763363



*763361



*763362



*763363

Contact Size indicated
on the handle

Deutsch Connectors – Removal Tool Set (Metallic)



***763360** A set of 3 Metallic Deutsch Removal Tools. For solid and open barrel contacts. Stainless-Steel shaft and anodized aluminum handles with knurled surface for improved grip and control. Set consists of 1 tool each for 24-20GA, 18-16GA and 16-14GA contacts supplied in a convenient pouch.

***763021** Replacement Pouch, Grey



*763360



*763021

A

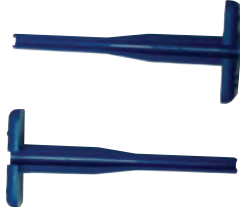
Deutsch Connectors – Tools

Deutsch Connectors – Removal Tools (Plastic)

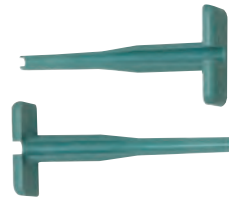
These removal tools are designed to facilitate contact removal and field service repair in all connectors that use a round shoulder contact retention system. Removal tools are compact, easy to use, and are made with heavy-duty plastic so that removal of contacts is done without damage to wire, insulation, connector body or connector seals. The removal tools are required for wire removal in the DTHD, Jiffy Splices, HD10, HDP20, HD30, DRC, AEC and WT-Series. Approximate length: 2-1/4" (57.15mm)



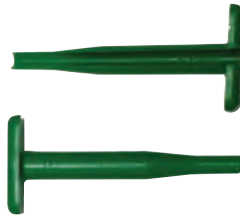
763301 (0411-240-2005)



763302 (0411-336-1605)



763303 (0411-204-1605 /
0411-310-1605)



763304 (0411-291-1405)

Deutsch#	GA Size Range	Contact Size	Part #
0411-240-2005	24-20GA	Size 20	763301
0411-336-1605	18-16GA Extra Thin Wall (E-Seal)	Size 16	763302
0411-204-1605 / 0411-310-1605	18-16GA	Size 16	763303
0411-291-1405	16-14GA	Size 16	763304

Deutsch Connectors – Removal Tool (Multi-Use)



Multi-use Tools with a small hook on one end to remove the wedgelock and a small flathead screwdriver on the other end to push back the locking fingers to release the contact. For use on the DT, DTM, DTP, DTV, DRB and STRIKE-series of Deutsch Connectors.

Part #	Description
763364	Direct DT-RT1 equivalent
563364	Aftermarket option



763364



563364

Deutsch Connectors Interchange Table

A

Deutsch #	Description	Part # 1 PC	Part # 10 PCS	Part # 100 PCS	Part # 1 SET	Part # 10 SETS
114017	CAVITY SEAL PLUG		763305	763305C		
0411-204-1605	REMOVAL TOOL, 18-16GA BLUE (LIGHT)	763303				
0411-240-2005	REMOVAL TOOL, 24-20GA RED	763301				
0411-291-1405	REMOVAL TOOL, 16-14GA GREEN	763304				
0411-310-1605	REMOVAL TOOL, 18-16GA BLUE (LIGHT)	763303				
0411-336-1605	REMOVAL TOOL, 18-16GA BLUE (DARK)	763302				
0460-202-16141	CONTACTS (DT) – PIN (SOLID BARREL) 20-16GA		763307	763307C		
0460-202-20141	CONTACTS (DTM) – PIN (SOLID BARREL) 20-14GA		763311	763311C		
0460-204-12141	CONTACTS (HD20/HD30/DTHD) – PIN (SOLID BARREL) 14-12GA		763313	763313C		
0460-215-16141	CONTACTS (DT) – PIN (SOLID BARREL) 16-14GA		763309	763309C		
0460-202-1631	CONTACTS (DT) – PIN (SOLID BARREL) 20-16GA – GOLD PLATED		763357	763357C		
0460-215-1631	CONTACTS (DT) – PIN (SOLID BARREL) 16-14GA – GOLD PLATED		763359	763359C		
0462-201-16141	CONTACTS (DT) – SOCKET (SOLID BARREL) 20-16GA		763306	763306C		
0462-201-20141	CONTACTS (DTM) – SOCKET (SOLID BARREL) 20-14GA		763310	763310C		
0462-203-12141	CONTACTS (HD20/HD30/DTHD) – SOCKET (SOLID BARREL) 14-12GA		763312	763312C		
0462-209-16141	CONTACTS (DT) – SOCKET (SOLID BARREL) 16-14GA		763308	763308C		
0462-201-1631	CONTACTS (DT) – SOCKET (SOLID BARREL) 20-16GA – GOLD PLATED		763356	763356C		
0462-209-1631	CONTACTS (DT) – SOCKET (SOLID BARREL) 16-14GA – GOLD PLATED		763358	763358C		
1060-12-0166	CONTACTS (DTP) – PIN (OPEN BARREL) 14-12GA		763321	763321C		
1060-12-0222	CONTACTS (DTP) – PIN (OPEN BARREL) 12-10GA		763323	763323C		
1060-14-0122	CONTACTS (DT) – PIN (OPEN BARREL) 16-14GA		763317	763317C		
1060-16-0122	CONTACTS (DT) – PIN (OPEN BARREL) 18-16GA		763315	763315C		
1060-16-0622	CONTACTS (DT) – PIN (OPEN BARREL) 18-16GA		763315	763315C		
1060-20-0122	CONTACTS (DTM) – PIN (OPEN BARREL) 20-16GA		763319	763319C		
1060-20-0222	CONTACTS (DTM) – PIN (OPEN BARREL) 20-16GA		763319	763319C		
1062-12-0166	CONTACTS (DTP) – SOCKET (OPEN BARREL) 14-12GA		763320	763320C		
1062-12-0222	CONTACTS (DTP) – SOCKET (OPEN BARREL) 12-10GA		763322	763322C		
1062-14-0122	CONTACTS (DT) – SOCKET (OPEN BARREL) 16-14GA		763316	763316C		
1062-16-0122	CONTACTS (DT) – SOCKET (OPEN BARREL) 18-16GA		763314	763314C		
1062-16-0622	CONTACTS (DT) – SOCKET (OPEN BARREL) 18-16GA		763314	763314C		
1062-20-0122	CONTACTS (DTM) – SOCKET (OPEN BARREL) 20-16GA		763318	763318C		
1062-20-0222	CONTACTS (DTM) – SOCKET (OPEN BARREL) 20-16GA		763318	763318C		
DT04-08P + W8P	8 WAY RECEPTACLE HOUSING & WEDGELOCK (DT-SERIES)				763332	763332B
DT04-12P + W12P	12 WAY RECEPTACLE HOUSING & WEDGELOCK (DT-SERIES)				763334	763334B
DT04-2P + W2P	2 WAY RECEPTACLE HOUSING & WEDGELOCK (DT-SERIES)				763324	763324B
DT04-3P + W3P	3 WAY RECEPTACLE HOUSING & WEDGELOCK (DT-SERIES)				763326	763326B
DT04-4P + W4P	4 WAY RECEPTACLE HOUSING & WEDGELOCK (DT-SERIES)				763328	763328B
DT04-6P + W6P	6 WAY RECEPTACLE HOUSING & WEDGELOCK (DT-SERIES)				763330	763330B
DT06-08S + W8S	8 WAY PLUG HOUSING & WEDGELOCK (DT-SERIES)				763333	763333B
DT06-12S + W12S	12 WAY PLUG HOUSING & WEDGELOCK (DT-SERIES)				763335	763335B
DT06-2S + W2S	2 WAY PLUG HOUSING & WEDGELOCK (DT-SERIES)				763325	763325B
DT06-3S + W3S	3 WAY PLUG HOUSING & WEDGELOCK (DT-SERIES)				763327	763327B
DT06-4S + W4S	4 WAY PLUG HOUSING & WEDGELOCK (DT-SERIES)				763329	763329B
DT06-6S + W6S	6 WAY PLUG HOUSING & WEDGELOCK (DT-SERIES)				763331	763331B
DTM04-08PA + WM-8P	8 WAY RECEPTACLE HOUSING & WEDGELOCK (DTM-SERIES)				763344	763344B
DTM04-12PA + WM-12P	12 WAY RECEPTACLE HOUSING & WEDGELOCK (DTM-SERIES)				763346	763346B
DTM04-2P + WM-2P	2 WAY RECEPTACLE HOUSING & WEDGELOCK (DTM-SERIES)				763336	763336B
DTM04-3P + WM-3P	3 WAY RECEPTACLE HOUSING & WEDGELOCK (DTM-SERIES)				763338	763338B
DTM04-4P + WM-4P	4 WAY RECEPTACLE HOUSING & WEDGELOCK (DTM-SERIES)				763340	763340B
DTM04-6P + WM-6P	6 WAY RECEPTACLE HOUSING & WEDGELOCK (DTM-SERIES)				763342	763342B
DTM06-08SA + WM-8S	8 WAY PLUG HOUSING & WEDGELOCK (DTM-SERIES)				763345	763345B
DTM06-12SA + WM-12S	12 WAY PLUG HOUSING & WEDGELOCK (DTM-SERIES)				763347	763347B
DTM06-2S + WM-2S	2 WAY PLUG HOUSING & WEDGELOCK (DTM-SERIES)				763337	763337B
DTM06-3S + WM-3S	3 WAY PLUG HOUSING & WEDGELOCK (DTM-SERIES)				763339	763339B
DTM06-4S + WM-4S	4 WAY PLUG HOUSING & WEDGELOCK (DTM-SERIES)				763341	763341B
DTM06-6S + WM-6S	6 WAY PLUG HOUSING & WEDGELOCK (DTM-SERIES)				763343	763343B
DTP04-2P + WP-2P	2 WAY RECEPTACLE HOUSING & WEDGELOCK (DTP-SERIES)				763348	763348B
DTP04-4P + WP-4P	4 WAY RECEPTACLE HOUSING & WEDGELOCK (DTP-SERIES)				763350	763350B
DTP06-2S + WP-2S	2 WAY PLUG HOUSING & WEDGELOCK (DTP-SERIES)				763349	763349B
DTP06-4S + WP-4S	4 WAY PLUG HOUSING & WEDGELOCK (DTP-SERIES)				763351	763351B
DT-RT1	MULTI-USE REMOVAL TOOL	763364				
HDT-48-00	CRIMP TOOL	763300				

Wire & Cable

B



The gauge of cable, number of conductors and type of insulation is determined by its application (i.e., the operating conditions and electrical load to be carried). Wiring cable, especially when applying to automobiles or heavy, off road equipment must have flexible characteristics to withstand constant vibrations and adverse operating conditions; it should not become stiff and brittle when subjected to heat or cold. Corrosion, oil, gasoline, battery acids, etc must not damage it.

Selecting the Correct Cable Gauge Size

Considerable voltage drop will be encountered should the load, e.g. lamps, starter, etc. not be in proper relation to the chosen gauge size. For instance, a 10% drop in battery voltage to the lamps will result in a 30% loss in candlepower output. These might seem like academic figures, however, in practice the effects of voltage drop are very evident in an inefficient electrical system.

Measure Cable Length Required

Determine the length of cable needed to reach from the battery to the most distant electrical unit of the circuit. (Return circuit has been allowed for in the chart, which applies to chassis grounded returns. For two-wire circuits, use total length of both cables, or the double length to most distant electrical unit.)

Total Amperes or Candlepower

Total Candlepower – Total the maximum candlepower to be used in the circuit. Locate the closest corresponding figure in the candlepower column of the chart.

Total Amperes – If the approximate total amperes load in a circuit is known, locate the corresponding amperes (approx.)

Determining Gauge of Cable

Read across on the line representing the candlepower or the amperes of the circuit to the correct foot-length column. This figure indicates the proper gauge of cable to be used throughout the circuit.

Recommended Cable Sizes for Replacement or Additional Electrical Unit Installations

Original equipment cable sizes on some vehicles may vary slightly from recommendations due to special electrical system design. This chart applies to chassis grounded return systems. For two-wire circuits, use total length of both cables, or double length to most distant electrical unit.

Wire & Cable Guide

12-Volt System

* Total Length of Cable in Circuit from Battery to Most Distant Electrical Unit

Amperes (approx.)	Candle Power	*10' (3m)	*20' (6m)	*30' (9m)	*40' (12m)	*50' (15m)	*60' (18m)	*70' (21m)	*80' (24m)	*90' (27m)	*100' (30m)
1	6	18GA	18GA	18GA	18GA	18GA	18GA	18GA	18GA	18GA	18GA
1.5	10	18GA	18GA	18GA	18GA	18GA	18GA	18GA	18GA	18GA	18GA
2	16	18GA	18GA	18GA	18GA	18GA	18GA	18GA	16GA	16GA	16GA
3	24	18GA	18GA	18GA	18GA	18GA	16GA	16GA	16GA	14GA	14GA
4	30	18GA	18GA	18GA	16GA	16GA	16GA	14GA	14GA	14GA	12GA
5	40	18GA	18GA	18GA	16GA	14GA	14GA	14GA	12GA	12GA	12GA
6	50	18GA	18GA	16GA	16GA	14GA	14GA	12GA	12GA	12GA	12GA
7	60	18GA	18GA	16GA	14GA	14GA	12GA	12GA	12GA	10GA	10GA
8	70	18GA	16GA	16GA	14GA	12GA	12GA	12GA	10GA	10GA	10GA
10	80	18GA	16GA	14GA	12GA	12GA	12GA	10GA	10GA	10GA	10GA
11	90	18GA	16GA	14GA	12GA	12GA	10GA	10GA	10GA	10GA	8GA
12	100	18GA	16GA	14GA	12GA	12GA	10GA	10GA	10GA	8GA	8GA
15	120	18GA	14GA	12GA	12GA	10GA	10GA	10GA	8GA	8GA	8GA
18	140	16GA	14GA	12GA	10GA	10GA	8GA	8GA	8GA	8GA	8GA
20	160	16GA	12GA	12GA	10GA	10GA	8GA	8GA	8GA	8GA	6GA
22	180	16GA	12GA	10GA	10GA	8GA	8GA	8GA	8GA	6GA	6GA
24	200	16GA	12GA	10GA	10GA	8GA	8GA	8GA	6GA	6GA	6GA
36	–	14GA	10GA	8GA	8GA	8GA	6GA	6GA	6GA	4GA	4GA
50	–	12GA	10GA	8GA	6GA	6GA	4GA	4GA	4GA	2GA	2GA
100	–	10GA	6GA	4GA	4GA	2GA	2GA	1GA	1GA	1/0GA	1/0GA
150	–	8GA	4GA	2GA	2GA	1GA	1/0GA	1/0GA	2/0GA	2/0GA	2/0GA
200	–	6GA	4GA	2GA	1GA	1/0GA	2/0GA	3/0GA	3/0GA	3/0GA	4/0GA

Wire & Cable

GENERAL INFORMATION

Matching Battery Cable to Equipment

Equipment/Vehicle Type	Typical Wire Size (GA)									
	10GA	8GA	6GA	4GA	2GA	1GA	1/0GA	2/0GA	3/0GA	4/0GA
Motorcycle	✓	✓	✓							
Garden/Lawn Tractor		✓	✓	✓						
Small Car, RV			✓	✓						
Mid-Size Car				✓	✓					
Full-Size Car, Van					✓	✓				
Tractor							✓			
Light Truck							✓			
Construction							✓			
Heavy-Duty Tractor								✓	✓	
Truck								✓	✓	
Bus								✓	✓	
Extra Heavy-Duty										✓



GA vs. Metric Wire Sizes

Typical Wire Size (GA)	Approx Metric Value
22GA	0.35mm ²
20GA	0.50mm ²
18GA	0.75mm ²
16GA	1mm ²
14GA	2mm ²
12GA	3mm ²
10GA	4-5mm ²
8GA	6-8mm ²
6GA	9-13mm ²
4GA	14-21mm ²
2GA	22-35mm ²
1GA	36-42mm ²
1/0GA	43-53mm ²
2/0GA	54-68mm ²
3/0GA	69-86mm ²
4/0GA	87-107mm ²

(Some metric values are expressed as a range and may vary by region)

***NEW**

What's New?

- ✱ Red Welding Cable
- ✱ Extension Cords (Cold Weather)

Primary Wire

B



GPT Wire

Techspan GPT (General Purpose Thermoplastic) primary single conductor wire is manufactured using 100% pure copper conductors with a PVC compound that resists chemical, abrasion and heat, up to 80°C (176°F). Jacket surface is smooth enough for easy, clean wire stripping. Ideal for automotive, truck, trailers, tractor, boats, and other point-to-point, low voltage applications (up to 60 Volts). Type GPT to SAE specification J1128 meets the standard for OEM or replacement applications for general purpose requirements. In chart headings below, O.D. means Outside Diameter.

Mini Spools

GA	Length	O.D.	Stranding	Black	Blue	Brown	Green	Red	White	Yellow
18	50' (15.2m)	.091"	16 x 30 x .010"	668051	668052	668053	668054	668056	668057	668059
16	35' (10.7m)	.104"	19 x 29 x .011"	668061	668062	668063	668064	668065	668066	668067
14	25' (7.6m)	.119"	19 x 27 x .014"	668068	668069	668070	668071	668072	668073	668074
12	15' (4.6m)	.145"	19 x 25 x .018"	668075	668076	668983	668922	668077	668078	668928
10	10' (3m)	.175"	19 x 23 x .024"	668080	668906	668081	668980	668082	668981	668979

100' (30.5m) Spools

GA	O.D.	Stranding	Black	Blue	Brown	Green	Red	White	Yellow	Grey	Orange	Pink	Purple	Tan
20	.084"	7 x 30 x .012"	767987	767988	767989	767990	767991	767992	767993	767996	767995		767997	
18	.091"	16 x 30 x .010"	768000	768001	768002	768003	768005	768006	768007	768009	768004	767994	768008	767999
16	.104"	19 x 29 x .011"	768010	768011	768012	768013	768015	768016	768017	768019	768014		768018	
14	.119"	19 x 27 x .014"	768020	768021	768022	768023	768025	768026	768027	768029	768024	767984	768028	
12	.145"	19 x 25 x .018"	768030	768031	768032	768033	768035	768036	768037		768034			
10**	.175"	19 x 23 x .024"	768102	768103	768104	768105	768106	768107	768108					
8	.216"	19 x 21 x .028"	768050				768155	768056						

** 50' (15.2m) spools

Note: 8GA supplied on metal spools

1000' (305m) Spools

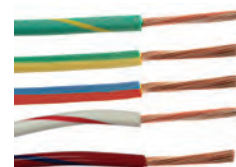
GA	O.D.	Stranding	Black	Blue	Brown	Green	Red	White	Yellow	Grey	Orange	Purple
20	.084"	7 x 30 x .012"	767987M	767988M	767989M	767990M	767991M	767992M	767993M			
18	.091"	16 x 30 x .010"	768200	768201	768202	768203	768205	768206	768207	768209	768204	768208
16	.104"	19 x 29 x .011"	768210	768211	768212	768213	768215	768216	768217	768219	768214	768218
14	.119"	19 x 27 x .014"	768220	768221	768222	768223	768225	768226	768227	768229	768224	768228
12	.145"	19 x 25 x .018"	768230	768231	768232	768233	768235	768236	768237		768234	
10	.175"	19 x 23 x .024"	768240	768241	768242	768243	768245	768246	768247			
8	.216"	19 x 21 x .028"	768250				768255	768256				

Note: 1000' spools supplied on metal spools.



LOOKING FOR STRIPED WIRE?

Contact Techspan for availability as we can supply you with Parallel or Striped Wire. Minimum Order Quantity will apply.



Primary Wire

Mini Spool Primary Wire Merchandiser

668110 One price packaging for self-serve merchandising. Includes 60 spools of Primary wire in assorted colours and gauge sizes (35 SKUs in all). Counter display rack holds 30 spools and is available at no charge with purchase of **668110** merchandiser.

Wire Spools included in Merchandiser

Part#	Qty	Part#	Qty	Part#	Qty
668051	1	668066	2	668078	2
668052	1	668067	2	668080	1
668053	1	668068	3	668081	1
668054	1	668069	3	668082	1
668056	1	668070	3	668906	1
668057	1	668071	2	668922	2
668059	1	668072	3	668928	1
668061	2	668073	3	668979	1
668062	2	668074	2	668980	1
668063	2	668075	2	668981	1
668064	2	668076	2	668983	2
668065	2	668077	2		

768111 Merchandiser Display Rack Only (holds 30 spools).
Approximate Dimensions: 13"W x 8"H x 14"D



668110 Mini Spool Primary Wire Merchandiser

100' Spool Primary Wire Merchandiser

768194 This merchandiser assortment includes 48 spools of Primary wire in assorted colours and gauge sizes (33 SKUs in all). Counter display rack holds 16 spools and is available at no charge with purchase of **768194** merchandiser.

Wire Spools included in Merchandiser

Part#	Qty	Part#	Qty	Part#	Qty
768000	1	768015	2	768031	1
768001	1	768016	1	768032	2
768002	1	768017	1	768033	1
768003	1	768020	3	768035	2
768005	1	768021	2	768036	1
768006	1	768022	3	768037	1
768007	1	768023	2	768102	1
768010	2	768025	3	768103	1
768011	1	768026	2	768104	1
768012	2	768027	1	768106	1
768013	1	768030	2	768107	1

768113 Merchandiser Display Rack Only (holds 16 spools).
Approximate Dimensions: 14"W x 8"H x 14"D



768194 Primary Wire Merchandiser

Wire Spool Racks

Wire Spool Racks allow users to store different sized reels on the same rod to facilitate dispensing. Specifications: rolled steel construction with grey powder coated finish and polished steel rods that are 5/8" in diameter. Will hold spools up to 10" in diameter. Punched side panels allow for quick changing of spools. Mounting holes are provided for wall mounting hardware included. Easy to assemble. Wire shown are for illustration purposes only. Wire not included.

# of Rows	Dimensions	Part#
1	26-1/8"W x 6"D x 10-3/8"H	768114
2	26-1/8"W x 6"D x 17-7/8"H	768115
4	26-1/8"W x 6"D x 37-1/8"H	768116

768114 has a carrying handle attached to the top of the unit



768116



768115



768114

TEW Wire

For use in internal wiring of electrical and electronic equipment. Applications include electric ranges, heating equipment, lighting fixtures, panels and meters. CSA & UL Approved. For applications up to 600 Volts. Copper conductors are stranded with PVC Insulation. Temperature Rating: -40°C to 105°C (-40°F to 221°F). Available with bare copper or tin-plated copper conductors.



B



TEW Wire – Bare Copper Conductors: 30m (98.4') Spools

GA	O.D.	Stranding	Black	Blue	Brown	Green	Grey	Orange	Purple	Red	White	Yellow
18	.109"	16 x .010"	768600	768601	768602	768603	768608	768604	768599	768605	768606	768607
16	.122"	26 x .010"	768609	768610	768611	768612	768617	768613	768598	768614	768615	768616
14	.136"	41 x .010"	768618	768619	768620	768621	768626	768622	768597	768623	768624	768625
12	.159"	65 x .010"	768627	768628	768629	768630	768635	768631	768596	768632	768633	768634
10	.183"	105 x .010"	768636	768637	768638	768639		768640		768641	768642	768643

O.D. = Outside Diameter

TEW Wire – Bare Copper Conductors: 300m (984') Spools

GA	O.D.	Stranding	Black	Blue	Brown	Green	Grey	Orange	Purple	Red	White	Yellow
18	.109"	16 x .010"	768600M	768601M	768602M	768603M	768608M	768604M	768599M	768605M	768606M	768607M
16	.122"	26 x .010"	768609M	768610M	768611M	768612M	768617M	768613M	768598M	768614M	768615M	768616M
14	.136"	41 x .010"	768618M	768619M	768620M	768621M	768626M	768622M	768597M	768623M	768624M	768625M
12	.159"	65 x .010"	768627M	768628M	768629M	768630M	768635M	768631M	768596M	768632M	768633M	768634M
10	.183"	105 x .010"	768636M	768637M	768638M	768639M		768640M		768641M	768642M	768643M

O.D. = Outside Diameter



TEW Wire – Tinned Copper Conductors: 30m (98.4') Spools

GA	O.D.	Stranding	Black	Blue	Brown	Green	Grey	Orange	Purple	Red	White	Yellow
18	.109"	16 x .010"	768654	768655	768656	768657	768663	768658	768662	768659	768660	768661
16	.122"	26 x .010"	768664	768665	768666	768667	768673	768668	768672	768669	768670	768671
14	.136"	41 x .010"	768674	768675	768676	768677	768683	768678	768682	768679	768680	768681
12	.159"	65 x .010"	768684	768685	768686	768687	768693	768688	768692	768689	768690	768691
10	.183"	105 x .010"	768694	768695	768696	768697	768703	768698	768702	768699	768700	768701

O.D. = Outside Diameter

TEW Wire – Tinned Copper Conductors: 300m (984') Spools

GA	O.D.	Stranding	Black	Blue	Brown	Green	Grey	Orange	Purple	Red	White	Yellow
18	.109"	16 x .010"	768654M	768655M	768656M	768657M	768663M	768658M	768662M	768659M	768660M	768661M
16	.122"	26 x .010"	768664M	768665M	768666M	768667M	768673M	768668M	768672M	768669M	768670M	768671M
14	.136"	41 x .010"	768674M	768675M	768676M	768677M	768683M	768678M	768682M	768679M	768680M	768681M
12	.159"	65 x .010"	768684M	768685M	768686M	768687M	768693M	768688M	768692M	768689M	768690M	768691M
10	.183"	105 x .010"	768694M	768695M	768696M	768697M	768703M	768698M	768702M	768699M	768700M	768701M

O.D. = Outside Diameter

TEW Wire

TEW Wire 30m Spool Merchandiser

768120 This merchandiser assortment includes 70 spools of TEW wire in assorted colours and gauge sizes. 26 SKUs in all, each spool is 30m (98FT) in length. Counter display rack holds 16 spools and is available at no charge with purchase of **768120** merchandiser.

Wire Spools included in Merchandiser

Part#	Qty	Part#	Qty	Part#	Qty
768609	3	768618	7	768627	3
768610	3	768619	3	768628	2
768611	2	768620	1	768629	1
768612	2	768621	3	768630	1
768613	1	768622	1	768631	1
768614	7	768623	7	768632	2
768615	5	768624	5	768633	2
768616	3	768625	2	768634	1
768617	1	768626	1		

768112 Merchandiser Display Rack Only (holds 16 spools).
Approximate Dimensions: 14"W x 8"H x 14"D



768120 TEW Wire Merchandiser

SXL Wire

General purpose, low tension cable, cross-linked polyethylene insulated jacket provides toughness combined with outstanding heat resistance. Resists grease, oil, gasoline and chemicals. Clean stripping for easy use. Ideally suited for heavy-duty applications. For applications up to 60 Volts. Temperature rating: 125°C (257°F). Type SXL to SAE specification J1128.



**Thicker insulation for higher
temperature rating:
125°C (257°F)**

100' (30.5m) Spools

GA	O.D.	Stranding	Black	Blue	Brown	Green	Orange	Purple	Red	White	Yellow
18	.107"	16 x 30 x .010"	768830	768831	768832	768833			768834	768835	768836
16	.119"	19 x 29 x .011"	768840	768841	768842	768843	768847		768844	768845	768846
14	.138"	19 x 27 x .014"	768850	768851	768852	768853	768857	768858	768854	768855	768856
12	.161"	19 x 25 x .018"	768860	768861	768862	768863	768867	768868	768864	768865	768866
10	.191"	19 x 23 x .024"	768770			768773			768774	768775	768776
8	.226"	19 x 21 x .028"	768780						768784	768785	

O.D. = Outside Diameter

1000' (305m) Spools

GA	O.D.	Stranding	Black	Blue	Brown	Green	Orange	Purple	Red	White	Yellow
18	.107"	16 x 30 x .010"	768830M	768831M	768832M	768833M			768834M	768835M	768836M
16	.119"	19 x 29 x .011"	768840M	768841M	768842M	768843M	768847M		768844M	768845M	768846M
14	.138"	19 x 27 x .014"	768850M	768851M	768852M	768853M	768857M	768858M	768854M	768855M	768856M
12	.161"	19 x 25 x .018"	768860M	768861M	768862M	768863M	768867M	768868M	768864M	768865M	768866M
10	.191"	19 x 23 x .024"	768770M			768773M			768774M	768775M	768776M
8	.226"	19 x 21 x .028"	768780M						768784M	768785M	

O.D. = Outside Diameter



WHY CHOOSE RUBBER JACKETED BATTERY CABLE?

- ✓ Better Acid & Oil Resistance
- ✓ Extra Flexible
- ✓ Extra Durable

B

Battery Cable

Battery Cable – Rubber Jacketed

- 100% copper conductors, finely stranded
- Black or Red SGR Rubber Jacket (Extra Flexible)
- SAE specification J1127
- For applications up to 60 Volts
- Oil & acid resistant
- Excellent flame retardant characteristics
- Temperature Rating: -40°C to 90°C (-40°F to 194°F)

Black

GA	O.D.	Stranding	25' (7.6m) Spool	100' (30.5m) Spool	500' (152.4m) Spool
6	.272"	7 x 19 x .014"	669266	769266	769266B
4	.370"	7 x 27 x .014"	669265	769265	769265B
2	.460"	19 x 16 x .014"	669262	769262	769262B
1	.495"	19 x 21 x .014"	669260	769260	769260B
1/0	.550"	19 x 26 x .014"	669261	769261	769261B
2/0	.595"	19 x 22 x .018"	669263	769263	769263B
3/0	.700"	19 x 35 x .016"	669267	769267	769267B
4/0	.760"	19 x 54 x .014"	669287	769287	769287B



Rubber Jacketed Battery Cable – Black



Cost Saving Bulk Spools are now available in 500FT lengths



The following part numbers that had represented the 25 Foot Spools of Black Rubber Jacketed Battery Cable were changed, as follows:

Old Part#		New Part#
769256	⇒	669266
769255	⇒	669265
769252	⇒	669262
769250	⇒	669260
769251	⇒	669261
769253	⇒	669263
769284	⇒	669267
769286	⇒	669287

Red

GA	O.D.	Stranding	25' (7.6m) Spool	100' (30.5m) Spool	500' (152.4m) Spool
6	.272"	7 x 19 x .014"	669270	769270	769270B
4	.370"	7 x 27 x .014"	669271	769271	769271B
2	.460"	19 x 16 x .014"	669272	769272	769272B
1	.495"	19 x 21 x .014"	669273	769273	769273B
1/0	.550"	19 x 26 x .014"	669274	769274	769274B
2/0	.595"	19 x 22 x .018"	669275	769275	769275B
3/0	.700"	19 x 35 x .016"	669276	769276	769276B
4/0	.760"	19 x 54 x .014"	669277	769277	769277B



Rubber Jacketed Battery Cable – Red

Battery Cable

Battery Cable – PVC Jacketed

- 100% copper conductors, finely stranded
- Black or Red PVC Insulation (Flexible)
- SAE specification J1127
- For applications up to 60 Volts
- Oil & acid resistant
- Excellent flame retardant characteristics
- Temperature Rating: -40°C to 90°C (-40°F to 194°F)

WHY CHOOSE PVC JACKETED BATTERY CABLE?

- ✓ Acid & Oil Resistant
- ✓ Flexible
- ✓ Durable
- ✓ Economical

i

B

Black

GA	O.D.	Stranding	25' (7.6m) Spool	100' (30.5m) Spool	500' (152.4m) Spool
6	.272"	7 x 19 x .014"	669225	769225	769225B
4	.370"	7 x 27 x .014"	669226	769226	769226B
2	.460"	19 x 16 x .014"	669227	769227	769227B
1	.495"	19 x 21 x .014"	669228	769228	769228B
1/0	.550"	19 x 26 x .014"	669229	769229	769229B
2/0	.595"	19 x 22 x .018"	669230	769230	769230B
3/0	.700"	19 x 35 x .016"	669231	769231	769231B
4/0	.760"	19 x 54 x .014"	669232	769232	769232B



PVC Jacketed Battery Cable – Black

Red

GA	O.D.	Stranding	25' (7.6m) Spool	100' (30.5m) Spool	500' (152.4m) Spool
6	.272"	7 x 19 x .014"	669242	769242	769242B
4	.370"	7 x 27 x .014"	669243	769243	769243B
2	.460"	19 x 16 x .014"	669244	769244	769244B
1	.495"	19 x 21 x .014"	669245	769245	769245B
1/0	.550"	19 x 26 x .014"	669246	769246	769246B
2/0	.595"	19 x 22 x .018"	669247	769247	769247B
3/0	.700"	19 x 35 x .016"	669248	769248	769248B
4/0	.760"	19 x 54 x .014"	669249	769249	769249B



PVC Jacketed Battery Cable – Red

i

The following part numbers that had represented the 25 Foot Spools of Red PVC Jacketed Battery Cable were changed, as follows:

Old Part#		New Part#
769233	⇒	669242
769234	⇒	669243
769235	⇒	669244
769236	⇒	669245
769237	⇒	669246
769238	⇒	669247



Cost Saving Bulk Spools are now available in 500FT lengths

Welding Cable & Booster Cable Cord (Bonded)

B



Neoprene Jacketed Welding Cable
– Black

Welding Cable

- 100% copper conductors, finely stranded
- Extra Flexible Neoprene (EPDM) Jacket
- SAE specification J1127
- For applications up to 600 Volts
- Resists abrasion, cut, tear, flame, grease, oil and water
- Excellent flame retardant characteristics
- Temperature Rating: -50°C to 105°C (-58°F to 221°F)
- Also designed for all welding applications where a stinger/whip, leads and grounds are used



Black

GA	O.D.	Stranding	25' (7.6m) Spool	100' (30.5m) Spool	250' (76.2m) Spool
6	.320"	7/37/.010"	669285	769285	*769285-250
4	.348"	7/52/.010"	669288	769288	*769288-250
2	.420"	12/52/.010"	669298	769298	*769298-250
1	.503"	12/65/.010"	669297	769297	*769297-250
1/0	.533"	19/52/.010"	669292	769292	*769292-250
2/0	.586"	19/65/.010"	669291	769291	*769291-250
3/0	.625"	19/81/.010"	669289	769289	*769289-250
4/0	.720"	19/106/.010"	669290	769290	*769290-250



The following part numbers that had represented the 25 Foot Spools of Black Rubber Jacketed Welding Cable were changed, as follows:

Old Part#		New Part#
769296	⇒	669298
769295	⇒	669297
769293	⇒	669292
769294	⇒	669291



Red

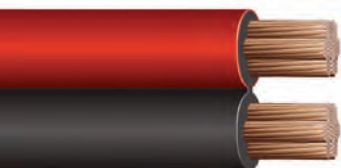


Neoprene Jacketed Welding Cable
– Red

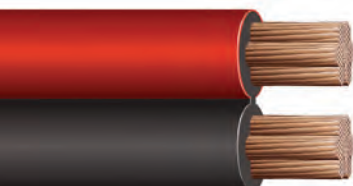
GA	O.D.	Stranding	25' (7.6m) Spool	100' (30.5m) Spool	250' (76.2m) Spool
6	.320"	7/37/.010"	*669220	*769220	*769220-250
4	.348"	7/52/.010"	*669221	*769221	*769221-250
2	.420"	12/52/.010"	*669222	*769222	*769222-250
1	.503"	12/65/.010"	*669223	*769223	*769223-250
1/0	.533"	19/52/.010"	*669224	*769224	*769224-250
2/0	.586"	19/65/.010"	*669254	*769254	*769254-250
3/0	.625"	19/81/.010"	*669257	*769257	*769257-250
4/0	.720"	19/106/.010"	*669259	*769259	*769259-250



6GA



4GA



2GA

Make
Your Own
Booster
Cables!

Booster Cable Cord (Bonded)

- 100% copper conductors, finely stranded
- PVC & TPE Insulation provides a durable barrier to protect against abrasion, chemicals and the environment
- Tangle-free bonded cables are colour-coded for easy polarity identification
- SAE specification SAE J1127
- For applications up to 60 Volts

Jacket-Type	Gauge Sizes	Temperature Ratings
PVC Insulation	6GA, 4GA	-40°C to +80°C (-40°F to +176°F)
TPE Insulation	2GA	-40°C to +105°C (-40°F to +221°F)

GA	O.D.	Stranding	Jacketing	100' (30.5m)	500' (152.4m)	1200' (365.8m)
6	0.360"/0.780"	7 x 19/27	Black/Orange (PVC)	768429		768429B
4	0.410"/0.880"	7 x 19/25	Black/Red (PVC)	768428	768428B	
2	0.450"/0.960"	7 x 37/26	Black/Red (TPE)	768427	768427B	

Booster Cable Clamps can be found on page 173

Booster Cable Assemblies



Booster Cables, 100% Copper

Techspan Premium Quality Booster Cables remain flexible at temperatures as low as -40°C (-40°F). Parallel bonded cables make these assemblies tangle-free. 100% pure copper for maximum conductivity.

Maximum Amperage	Length	GA Size	Clamp Type	Package Type	Part #
300A	12FT	8GA	Mechanic	Zippered Bag	769528
400A	16FT	6GA	Mechanic	Zippered Bag	769532
500A	20FT	4GA	Parrot	Storage Case	769533
700A	20FT	2GA	Parrot	Storage Case	769527
1000A	25FT	1GA	Mechanic	Storage Case	769526
900A	40FT	1GA	Mechanic	Pail	769530

Part #
769526, 769527 &
769533 are now
supplied in
a durable plastic
storage case



769530 is supplied in a pail.

Booster Cables, CCA (Copper Clad Aluminum)

For applications where maximum conductivity is not required, assemblies with Copper Clad Aluminum (CCA) conductors are available. Parallel bonded cables allow for tangle-free use. All Techspan Booster Cables Assemblies remain flexible at temperatures as low as -40°C (-40°F).

Maximum Amperage	Length	GA Size	Clamp Type	Package Type	Part #
300A	16FT	6GA	Mechanic	Zippered Bag	569532
400A	20FT	4GA	Parrot	Zippered Bag	569533
500A	20FT	2GA	Parrot	Zippered Bag	569527
700A	25FT	1GA	Mechanic	Zippered Bag	569526



All other SKUs are
supplied in zipper bags

Multi-Conductor Cable

B



2 Conductor Speaker Wire

2 Conductor Speaker Wire

- Stranded Bare & Tinned Copper Conductors are made parallel within a PVC Insulation
- For use in applications up to 30 Volts

Gauge/Conductors	25' (7.62m)	100' (30.5m)
18/2	668403	768403

Parallel Bonded PVC Cable

- General purpose, low tension GPT type cable
- Parallel bonded conductors are PVC insulated
- For use in applications up to 60 Volts
- Temperature rating: -30°C to 80°C (-22°F to 176°F)
- SAE specification J1128

2 Conductor, Parallel Bonded PVC Cable

Parallel bonded **Black and Red** conductors are PVC insulated

Gauge/Conductors	Stranding	100' (30.5m) Spool	250' (76.2m) Spool	1000' (305m) Spool	2500' (762m) Spool
16/2 (Black, Red)	19 x 29 x .113"	768401	768405		768416

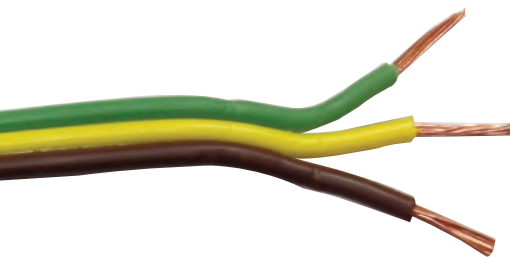


Type GPT-2 Conductor-Parallel Bonded

3 Conductor, Parallel Bonded PVC Cable

Parallel bonded **Brown, Green, Yellow** conductors are PVC insulated

Gauge/Conductors	Stranding	100' (30.5m) Spool	250' (76.2m) Spool	1000' (305m) Spool	2500' (762m) Spool
16/3 (Brown, Green, Yellow)	19 x 29 x .011"	768089			
14/3 (Brown, Green, Yellow)	19 x 27 x .014"	768091			

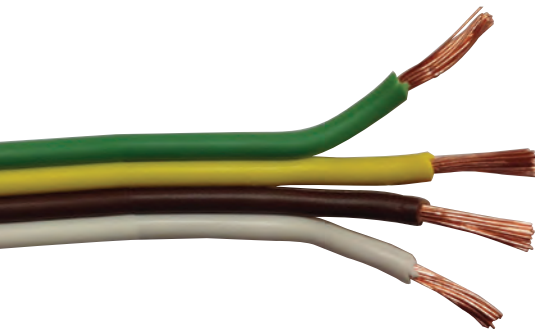


Type GPT-3 Conductor-Parallel Bonded

4 Conductor, Parallel Bonded PVC Cable

Parallel bonded **Brown, Green, White, Yellow** conductors are PVC insulated

Gauge/Conductors	Stranding	100' (30.5m) Spool	250' (76.2m) Spool	1000' (305m) Spool	2500' (762m) Spool
16/4 (Brown, Green, White, Yellow)	19 x 29 x .011"	768090	768481		
14/4 (Brown, Green, White, Yellow)	19 x 27 x .014"	768092		768093	



Type GPT-4 Conductor-Parallel Bonded

Multi-Conductor Cable

Flat Cable

- General purpose, low tension GPT type cable
- Plastic insulated conductors are covered with a PVC insulated jacket
- For use in applications up to 60 Volts
- Temperature rating: -40°C to 105°C (-40°F to 221°F)
- SAE specification J1128

2 Conductor, Black Jacketed Flat Cable

Plastic insulated **Brown and Red** conductors are insulated with a PVC black jacket

Gauge/Conductors	Stranding	100' (30.5m) Spool	1000' (305m) Spool
10/2 (Brown & Red)	19 x 23 x .023"	768569	768569M

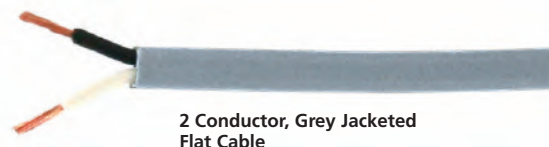


2 Conductor, Black Jacketed Flat Cable

2 Conductor, Grey Jacketed Flat Cable

Plastic insulated **Black and White** conductors are insulated with a PVC grey jacket

Gauge/Conductors	Stranding	*NEW		
		50' (15.2m) Spool	100' (30.5m) Spool	1000' (305m) Spool
16/2 (Black & White)	19 x 29 x .011"	*668430	768430	768435
14/2 (Black & White)	19 x 27 x .014"	*668431	768431	768436
12/2 (Black & White)	19 x 25 x .017"		768432	768437

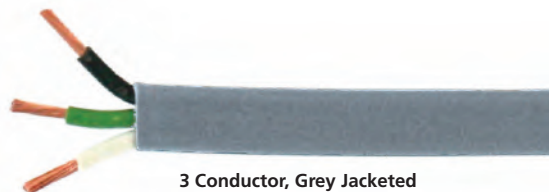


2 Conductor, Grey Jacketed Flat Cable

3 Conductor, Grey Jacketed Flat Cable

Plastic insulated **Black, Green and White** conductors are insulated with a PVC grey jacket

Gauge/Conductors	Stranding	100' (30.5m) Spool	1000' (305m) Spool
16/3 (Black, Green & White)	19 x 29 x .011"	768570	768575
14/3 (Black, Green & White)	19 x 27 x .014"	768571	768576

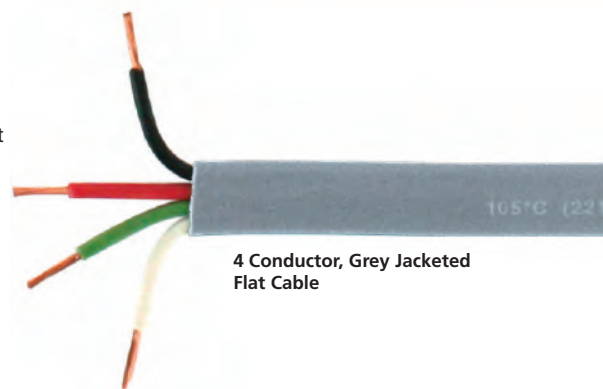


3 Conductor, Grey Jacketed Flat Cable

4 Conductor, Grey Jacketed Flat Cable

Plastic insulated **Black, Green, Red and White** conductors are insulated with a PVC grey jacket

Gauge/Conductors	Stranding	100' (30.5m) Spool	1000' (305m) Spool
16/4 (Black, Green, Red, White)	19 x 29 x .011"	768580	768585
14/4 (Black, Green, Red, White)	19 x 27 x .014"	768581	768586



4 Conductor, Grey Jacketed Flat Cable

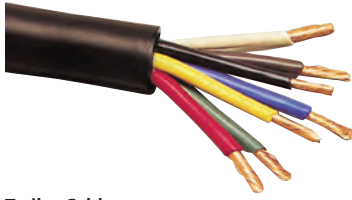
Looking for a Tool that can strip Flat, Round and Multi-Conductor Cable?

Part number **669963** can now be found on page 95



669963 Stripper for Flat & Round Type Wire/Cable

Trailer Cable



Freeze-Flex Trailer Cable (PVC)

Freeze-Flex Trailer Cable remains flexible at -65°C (-85°F) and withstands temperatures of up to 80°C (176°F). Freeze-Flex copper content exceeds the SAE J1128 requirement, and the black PVC outer jacket resists abrasion as well as chemicals, gasoline, diesel fuel, ozone and ultra-violet. For applications up to 60 Volts.

Trailer Cable

30' (9.14m) Spools

Conductors/Gauge	O.D.	Stranding	Brown	Green	Red	Yellow	White	Black	Blue	Part#
2/14	.368"	38 x .010"					✓	✓		669072
3/14	.388"	38 x .010"	✓	✓			✓			669080
4/16	.379"	24 x .010"	✓	✓	✓	✓				669085
4/14	.394"	38 x .010"	✓	✓	✓	✓				669087
6/14	.546"	38 x .010"	✓	✓	✓	✓	✓	✓		669092
7/14	.560"	38 x .010"	✓	✓	✓	✓	✓	✓	✓	669094
6/14, 1/12	.554"	38 x .010" (14GA) 59 x .010" (12GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (12GA)	✓ (14GA)	✓ (14GA)	669099
6/12, 1/10	.639"	59 x .010" (12GA) 94 x .010" (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	669097

50' (15.2m) Spools

Conductors/Gauge	O.D.	Stranding	Brown	Green	Red	Yellow	White	Black	Blue	Part#
2/14	.368"	38 x .010"					✓	✓		769073
3/14	.388"	38 x .010"	✓	✓			✓			769081
4/16	.379"	24 x .010"	✓	✓	✓	✓				769082
4/14	.394"	38 x .010"	✓	✓	✓	✓				769086
6/14	.546"	38 x .010"	✓	✓	✓	✓	✓	✓		769091
7/14	.560"	38 x .010"	✓	✓	✓	✓	✓	✓	✓	769084
6/14, 1/12	.554"	38 x .010" (14GA) 59 x .010" (12GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (12GA)	✓ (14GA)	✓ (14GA)	769083
6/12, 1/10	.639"	59 x .010" (12GA) 94 x .010" (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	769096

100' (30.5m) Spools

Conductors/Gauge	O.D.	Stranding	Brown	Green	Red	Yellow	White	Black	Blue	Part#
2/14	.368"	38 x .010"					✓	✓		769072
3/14	.388"	38 x .010"	✓	✓			✓			769080
4/16	.379"	24 x .010"	✓	✓	✓	✓				769085
4/14	.394"	38 x .010"	✓	✓	✓	✓				769087
6/14	.546"	38 x .010"	✓	✓	✓	✓	✓	✓		769092
7/14	.560"	38 x .010"	✓	✓	✓	✓	✓	✓	✓	769094
6/14, 1/12	.554"	38 x .010" (14GA) 59 x .010" (12GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (12GA)	✓ (14GA)	✓ (14GA)	769099
6/12, 1/10	.639"	59 x .010" (12GA) 94 x .010" (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	769097

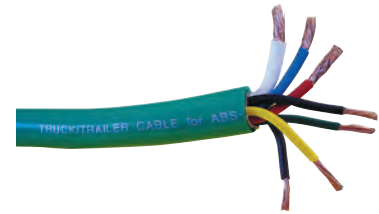
500' (152m) Spools

Conductors/Gauge	O.D.	Stranding	Brown	Green	Red	Yellow	White	Black	Blue	Part#
2/14	.368"	38 x .010"					✓	✓		769072B
3/14	.388"	38 x .010"	✓	✓			✓			769080B
4/16	.379"	24 x .010"	✓	✓	✓	✓				769085B
4/14	.394"	38 x .010"	✓	✓	✓	✓				769088B
6/14	.546"	38 x .010"	✓	✓	✓	✓	✓	✓		769093B
7/14	.560"	38 x .010"	✓	✓	✓	✓	✓	✓	✓	769095B
6/14, 1/12	.554"	38 x .010" (14GA) 59 x .010" (12GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (14GA)	✓ (12GA)	✓ (14GA)	✓ (14GA)	769128B
6/12, 1/10	.639"	59 x .010" (12GA) 94 x .010" (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	769098B

Trailer Cable

Freeze-Flex ABS Trailer Cable (PVC)

Techspan's ABS trailer cable is designed specifically for the ABS brake system's power requirements on single or multiple trailer configurations. This trailer cable meets and exceeds SAE J2394 (type S or F) cable requirements. Green PVC outer jacket is abrasion and oil resistant. Cable remains flexible at -65°C (-85°F) and withstands temperatures of up to 80°C (176°F). For applications up to 60 Volts.



Freeze-Flex ABS Trailer Cable

30' (9.14m) Spools

Conductors/Gauge	O.D.	Stranding	Yellow	Red	Green	Brown	Black	White	Blue	Part#
4/12, 2/10, 1/8	.639"	59 x .010" (12GA) 94 x .010" (10GA) 149 x .010" (8GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (8GA)	✓ (10GA)	669493

50' (15.2m) Spools

Conductors/Gauge	O.D.	Stranding	Yellow	Red	Green	Brown	Black	White	Blue	Part#
4/12, 2/10, 1/8	.639"	59 x .010" (12GA) 94 x .010" (10GA) 149 x .010" (8GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (8GA)	✓ (10GA)	769494

100' (30.5m) Spools

Conductors/Gauge	O.D.	Stranding	Yellow	Red	Green	Brown	Black	White	Blue	Part#
4/12, 2/10, 1/8	.639"	59 x .010" (12GA) 94 x .010" (10GA) 149 x .010" (8GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (8GA)	✓ (10GA)	769493

500' (152m) Spools

Conductors/Gauge	O.D.	Stranding	Yellow	Red	Green	Brown	Black	White	Blue	Part#
4/12, 2/10, 1/8	.639"	59 x .010" (12GA) 94 x .010" (10GA) 149 x .010" (8GA)	✓ (12GA)	✓ (10GA)	✓ (12GA)	✓ (12GA)	✓ (12GA)	✓ (8GA)	✓ (10GA)	769492

Recommended Configurations/Wire Gauge for Trailer Connections

Recommended Configurations for 4-Pole Trailer Connections

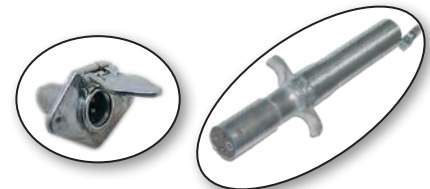
Code	Colour	Description/Circuit
W	White	Ground Return
G	Green	Right Turn & Brake Lights
Y/R	Yellow/Red	Left Turn & Brake Lights
B	Brown	Tail Lights

Recommended Configurations for 6-Pole Trailer Connections

#	Code	Colour	Description/Circuit
1	GD	White	Ground Return
2	TM	Brown	Tail Lights
3	LT	Yellow	Left Turn Signal
4	S	Red	Stop and/or Electric Brake
5	RT	Green	Right Turn Signal
6	A	Black or Blue	Auxiliary Circuit (Centre)

Recommended Configurations/Wire Gauge for 7-Pole Trailer Connections

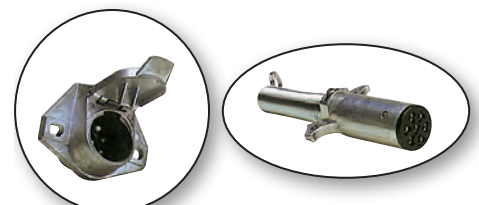
#	Colour	Wire GA	FMVSS 121 Anti-Lock Gauge	Description/Circuit
1	White	10	8	Ground Return
2	Black	12	12	Clearance, Side Marker & ID Lamps
3	Yellow	12	12	Left Turn & Hazard Signal
4	Red	12	10	Stop Lamps & Anti-Lock Devices
5	Green	12	12	Right Turn Signal & Hazard Signal
6	Brown	12	12	Tail, Rear Clearance Marker & Licence Plate Light
7	Blue	12	12	Auxiliary Circuit/ABS Power



4-Pole Trailer Connectors can be found on page 209



6-Pole Trailer Connectors can be found on page 208



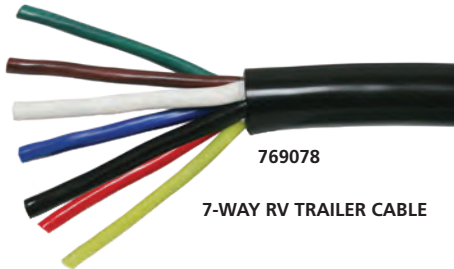
7-Pole Trailer Connectors can be found on pages 206-207

RV Cable

i

DID YOU KNOW THAT TECHSPAN'S 6/12, 1/10 TRAILER CABLE CAN ALSO BE USED IN RV APPLICATIONS?

B



7-Way RV Cable

• PVC Insulated (Extra Flexible) • -65°C to 60°C (-85°F to 140°F)

Type	O.D.	Conductors/Gauge	100' (30.5m) Spool	500' (152m) Spool
7-Way	.55"	2/10, 1/12, 4/14	769078	769078B

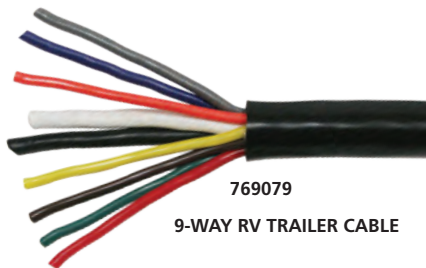
Recommended Configurations/Wire Gauge for 7-Pole RV Connections

#	Colour	Wire GA	Description/Circuit
1	White	10	Ground Return
2	Blue	12	Electric Brake
3	Green	14	Tail, License & Running Lights
4	Black	10	Battery Charge
5	Red	14	Stop & Left Turn Signal
6	Brown	14	Stop & Right Turn Signal
7	Yellow	14	Auxiliary Circuit

9-Way RV Cable

• PVC Insulated (Extra Flexible) • -65°C to 60°C (-85°F to 140°F)

Type	O.D.	Conductors/Gauge	100' (30.5m) Spool	500' (152m) Spool
9-Way	.65"	2/8, 2/12, 5/14	769079	769079B



Recommended Configurations/Wire Gauge for 9-Pole RV Connections

#	Colour	Wire GA	Description/Circuit
1	White	8	Ground Return
2	Blue	12	Electric Brake
3	Green	14	Tail, License & Running Lights
4	Black	8	Battery Charge
5	Red	14	Stop & Left Turn Signal
6	Brown	14	Stop & Right Turn Signal
7	Yellow	14	Back-up, Auxiliary Ground or Circuit
8	Grey	12	Auxiliary Circuit
9	Orange	14	Reefer (Tag) or Stop



Wire/Cable Tools

Stripper for Flat & Round Type Wire/Cable

669963 Finally, a tool that strips most 'flat' wire/cable as well as round wire cleanly. Simply slide the adjustment to strip the wire/cable type you want. This tool strips flat cable with a circular mil range of 0.75mm² to 4.0mm² (i.e., most PVC jacketed multi conductor cables and parallel jacketed (ribbon) cable). It will also strip stranded wire from 20-6GA. This tool also has a cutter that can cut wire with an outside diameter up to 0.125". Approximate height: 7-1/4" (184.15mm)



669963 Stripper for Flat & Round Type Wire/Cable

Stripping Flat & Round Type Wire/Cable

Using the 669963 Stripper Tool

Step 1

Slide the adjustment to the appropriate wire type



Step 2

Clamp



Step 3

Pull



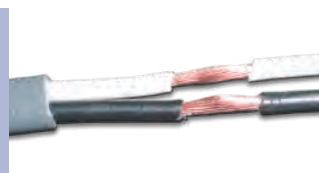
Step 4

Strip



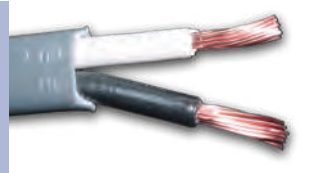
Step 5

Then cut and ...



Step 6

It's ready to use!



Extension Cord Cable

B



Neoprene Jacketed Extension Cable

Extension Cord Cable – Neoprene Jacketed

Extra flexible type SJ00W jacket cable for use as power supply for machine tools, drills and general shop use where subjected to hard usage in a damp or dry location. Oil and flame retardant. CSA and UL approved. For applications up to 300 Volts. Temperature rating: -40°C to 90°C (-40°F to 194°F)

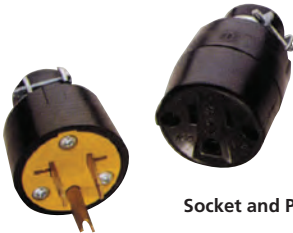
2 Conductor

Gauge/Conductors	Stranding	Outside Diameter	250FT (76.2m)
14/2 (Black/White)	41 x .010"	.340"	769034

3 Conductor

Gauge/Conductors	Stranding	Outside Diameter	250FT (76.2m)
18/3 (Black/Green/White)	16 x .010"	.305"	769039
16/3 (Black/Green/White)	26 x .010"	.330"	769033
14/3 (Black/Green/White)	41 x .010"	.365"	769035
12/3 (Black/Green/White)	65 x .010"	.433"	769036

See page 114 for cord band (ladder) cable ties...great for use with extension cords.



Socket and Plug

Replacement Socket and Plug

Made of Thermoplastic Rubber. Repair or fabricate your own extension cords. 3 Conductor, 110 Volts.

Type	1 PC/PK	10 PCS/PK
Male Plug	769758	769758B
Female Socket	769759	769759B



*769827



Wire Protector Floor Ramp

*769827 Easily protects wire cable/extension cords that are on the floor. Prevents people from tripping over wires. Available in a black 5 foot piece. Dimensions of floor ramp: 8.1cm (3.2") wide, 1.7cm (0.68") high, 1.5M (5') long. Inside, the dimensions are: 2cm (0.8") wide, 1.2cm (0.49") high. This ramp is designed to accommodate virtually all sizes of automotive cable.



Channel View



Cold Weather Extension Cords

Cold Weather Extension Cords – Lighted

Features

- 125V
- Water-Resistant SJEOW Jacket
- Flexible to -50°C (-58°F)
- Temperature Rating -50°C (-58°F) to 105°C (221°F)
- OSHA compliant
- Lighted/Grounded Receptacle

**FLEXIBLE
TO -50°C (-58°F)**
**CORD END
LIGHTS UP WHEN
PLUGGED IN**



Single-Tap Extension Cords

Part #	Cord Length	Cord Gauge	Electrical Ratings		Previous Part #
			Current	Wattage	
769751	25FT (7.62m)	16/3	13A	1625	SL-990
769752	50FT (15.24m)	16/3	13A	1625	SL-991
769745	100FT (30.48m)	16/3	10A	1250	SL-992
769753	25FT (7.62m)	14/3	15A	1875	SL-993
769754	50FT (15.24m)	14/3	15A	1875	SL-994
769746	100FT (30.48m)	14/3	13A	1625	SL-995
769755	25FT (7.62m)	12/3	15A	1875	SL-996
769756	50FT (15.24m)	12/3	15A	1875	SL-997
769757	100FT (30.48m)	12/3	15A	1875	SL-998



Single-Tap

Triple-Tap Extension Cords

Part #	Cord Length	Cord Gauge	Electrical Ratings		Previous Part #
			Current	Wattage	
769747	2FT (0.61m)	12/3	15A	1875	SL-9102
769748	25FT (7.62m)	12/3	15A	1875	SL-9104
769749	50FT (15.24m)	12/3	15A	1875	SL-9106
769750	100FT (30.48m)	12/3	15A	1875	SL-9108



Triple-Tap

Wire/Cable Tools

B



669962 Large Wire/Cable Stripper



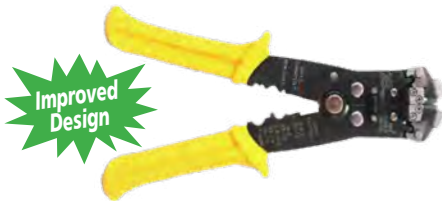
669969 Large Wire/Cable Stripper



669968 Ergonomic Stripper/Cutter



669966 Wire Stripper/Cutter Plier



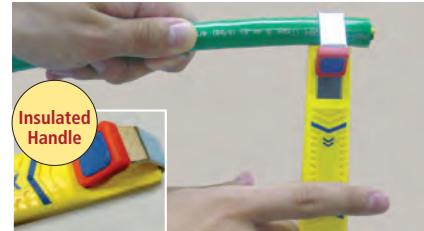
*669967 Heavy-Duty Wire Stripper with Built-In Cutter/Crimper

Large Wire/Cable Strippers

These tools strip larger gauge wire (8GA to 4/0GA) quick and accurately. Place the hook over the wire or cable, adjust the blade, and spin the stripper around the wire or cable for a clean, even and damage-free strip. Approximate length: 5" (127mm)

669962 Regular Handle

669969 Insulated Handle for a more comfortable grip



Ergonomic Stripper/Cutter

669968 This tool strips smaller gauge wire (22GA to 10GA) quickly and accurately. European designed, this tool cuts and strips with a simple slide of the thumb. Extremely quick and easy to use with very little muscle fatigue. Approximate length: 6-1/4" (158.75mm).



Wire Stripper/Cutter Plier

669966 Strips and cuts wire from 22GA to 10GA. Approximate length: 6-3/4" (171.45mm)

Heavy-Duty Wire Stripper with Built-In Cutter/Crimper

*669967 IT STRIPS ... 24GA to 10GA wire without damaging the conductor. IT CUTS ... IT CRIMPS ... insulated and non-insulated 22-10GA terminals with ease. Made of strong durable steel alloy. Now made with more comfortable handles. This tool is a must for every wiring project. Approximate length: 8-1/2" (215.90mm)

Wire/Cable Tools



769886



769885



769887



769883

Heavy-Duty Wire/Cable Cutter

769886 For cutting single or multi-conductor wire and cable up to 2/0GA Made with a cushioned handle for improved grip and comfort. Approximate length: 9-1/4" (234.95mm)

Cable Cutter-Long Handle

769887 This long handle cable cutter slices through any type of copper cable up to 500 MCM in size. The longer handle provides excellent leverage for large size cable. Makes your job easier and your cuts cleaner. Approximate length: 20.8" (530mm)

Ratcheting Cable Cutter

769885 Cuts larger sized cable up to 750 MCM. Gripped handles. Approximate length: 11-1/2" (292.10mm)

Cable Cutter-Extra Long Handle

769883 Cuts wire/cable sizes 8GA to 4/0GA. The long and conveniently shaped handles provide excellent leverage. The stopper-like apparatus lets the user know when the cable is fully cut. This tool provides very clean cuts. Approximate length: 24" (609.60mm)

Barricade Tape

B



Barricade Tape

Barricade Tape

For barricading and burial applications. Dimensions: 3"W x 1000' Long.
 Also available in 6" widths. Call Techspan if you need legends or 'messages' not shown.

Yellow Barricade Tape

Message/Legend	Part#
CAUTION	763901
CAUTION ASBESTOS HAZARD	763911
CAUTION BURIED ELECTRIC LINE BELOW	763926
CAUTION CONSTRUCTION AREA	763907
CAUTION DO NOT ENTER	763903
CAUTION HAZARD	763904
CAUTION HAZARDOUS	763905
CAUTION HAZARDOUS MATERIAL	763906
CAUTION HIGH VOLTAGE	763902
CAUTION MEN WORKING	763908
CAUTION MEN WORKING OVERHEAD	763909
CAUTION OPEN TRENCH	763910
CAUTION WET FLOOR	763912
CRIME SCENE DO NOT CROSS	763915
DANGER	763920
DANGER DO NOT ENTER	763917
DANGER HIGH VOLTAGE	763916
FIRE LINE DO NOT CROSS	763913
POLICE LINE DO NOT CROSS	763914
Yellow with Black Stripe (No message)	763900
Plain Yellow Traffic Tape (No message)	763922

Red Barricade Tape

Message/Legend	Part#
CAUTION BURIED ELECTRIC LINE BELOW	763927
DANGER	763921
DANGER ASBESTOS	763918
DANGER DO NOT ENTER	763919
Plain Red Traffic Tape (No message)	763923

Blue, Green & Orange Barricade Tape

Message/Legend	Colour	Part#
CAUTION BURIED WATER LINE BELOW	Blue	763925
CAUTION BURIED SEWER LINE BELOW	Green	763924
CAUTION BURIED GAS LINE BELOW	Orange	763928

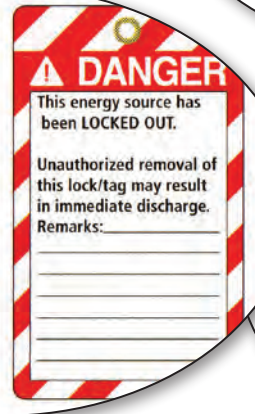
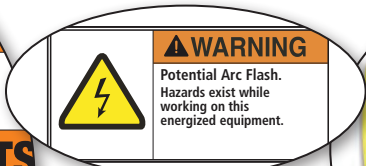
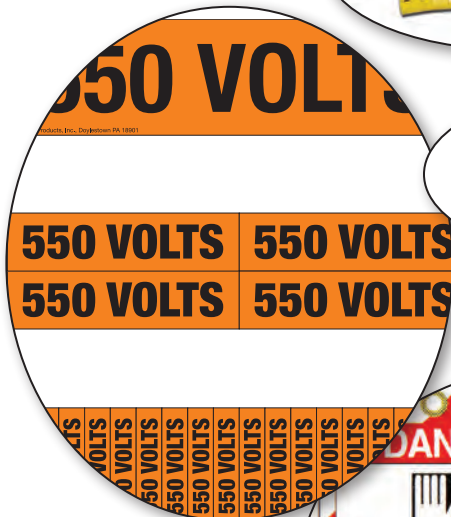
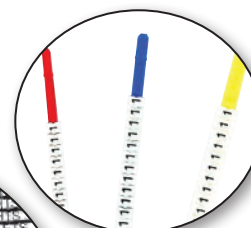
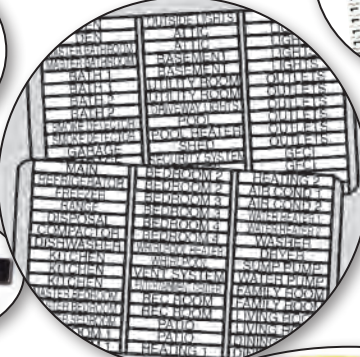
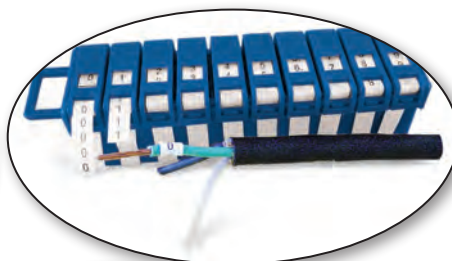
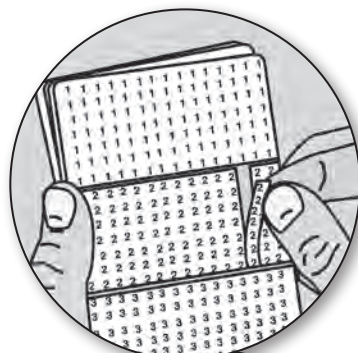
Wire Identification Products

Wire Identification Products

Techspan carries a wide variety of Wire Identification Products. Check out the Techspan Industries Catalogue for more information on the following items:

- Wire & Cable Markers in many formats (Books, Cards, Snap-on Wands)
- Lockout Tags and Stations
- Safety Signs (Caution, Danger, Notice, Safety First)
- Warning Tags
- Warning Signs
- Pipe Markers
- Utility Numbers and Letters
- Voltage Markers

Techspan carries a wide variety of Wire Identification Products. Check out the Techspan Industries Wire Management Products Catalogue for more information!



Cable Ties

Techspan cable ties are available in lengths from 4" to 48". Techspan's cable ties will satisfy bundling requirements from 1/16" to 15" and loop tensile strengths from 18 LBS. to 250 LBS. Where applicable, Techspan's cable ties are UL recognized, MIL-Spec approved and are made of 6/6 nylon (Natural) and UV resistant nylon (Black). Our cable ties are available in various package quantities as shown in the following pages. All tensile strengths are guaranteed.

If you don't see the cable tie that you need, please give Techspan a call at 1.800.363.1588.

C



Mounting Pads for Cable Ties

Nylon Cable Ties

Application	Tensile Strength	Width		Page#
Light-Duty	18LB	.100"	(2.5mm)	108
Light-Duty	40LB	.140"	(3.6mm)	108
Standard-Duty	50LB	.187"	(5.0mm)	109
Heavy-Duty	120LB	.300"	(8.0mm)	110
Extra Heavy-Duty	175LB	.345"	(9.0mm)	111
Heavy-Duty Lashing	250LB	.510"	(12.4mm)	111

Specialty Cable Ties Available at Techspan

Configuration	Page#	Configuration	Page#
Beaded	114	Identification Tag	113
Chrome Plated	115	Low Profile	112
Coloured	115	Mounting Head	112
Cord Band (Ladder-type)	114	Nylon with Metal Tooth	106
Dual Clamp	114	Releasable	114
Extreme Weather (Ice Blue)	104-105	Stainless Steel	107
Fluorescent	115		



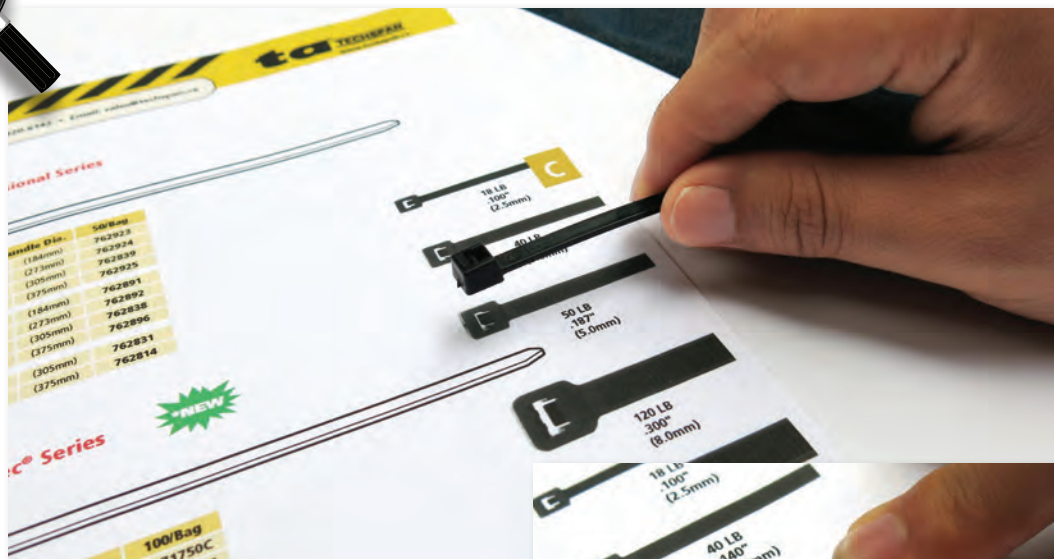
Cable Ties



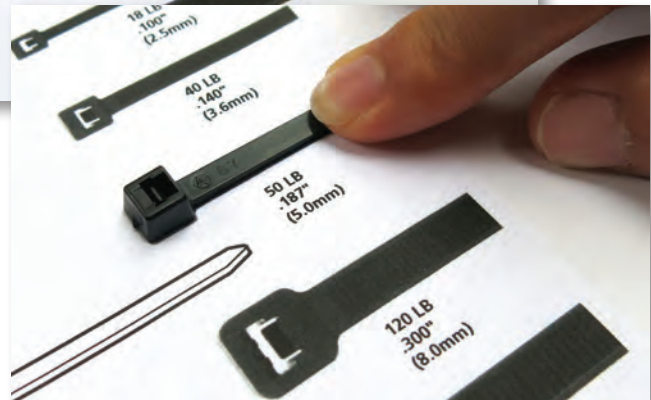
What's New?

- ★ UV Black Arctic Cable Ties
- ★ 30" Metal Tooth Cable Ties
- ★ Dual Clamp Cable Ties
- ★ Coloured Cable Ties Assortment (Handy Pack)

C



The cable tie pictures found in this section were taken at actual size in terms of width. To help determine your existing cable tie, simply place it up in terms of width, then identify the length.



ARCTIC TIE™

Arctic Cable Ties

SPECIAL POLYMER FOR WINTER PROTECTION

UV ADDITIVE FOR SUMMER SUNLIGHT PROTECTION



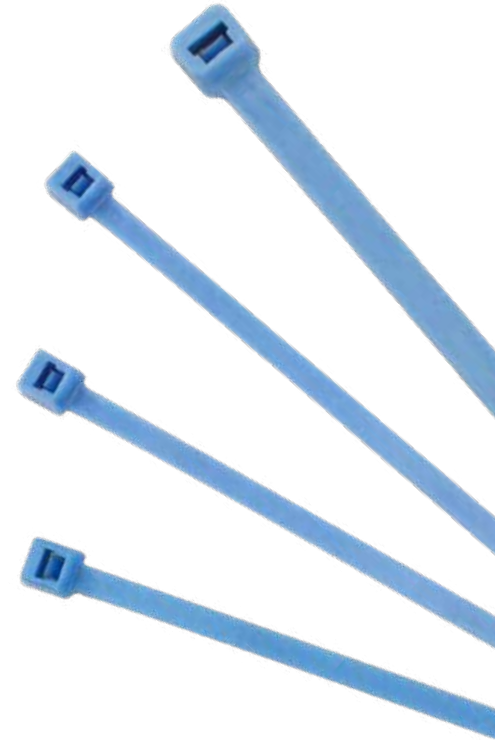
Techspan's Arctic Cable Ties are designed to perform in adverse weather conditions. The special polymer additive keeps the cable ties flexible and allows its installation without breakage in extreme temperatures. UV additive provides superior sunlight resistance. Arctic Cable Ties also withstand snow, environmental pollution, acidity in the air and UV Light. Distinctive "Ice-Blue" Colour. North American made.

C

- Superior Performance against Extreme Cold & UV Exposure
- Excellent Sunlight, UV & Heat Resistance
- Higher Tensile Strength
- Distinctive "ICE BLUE" Colour
- Arctic Cable Ties are rated at -40°C / -40°F to a maximum of 85°C / 185°F per ISO180
- Minimum Installation Temperature: -40°C / -40°F
- Made in the USA

ICE BLUE

Length	Loop Tensile Strength	Bundle Diameter		Width	100 PCS/PK
		Min.	Max.		
7.56" (192mm)	80LB (355N)	0.12" (3.18mm)	1.87" (47.62mm)	0.18" (4.57mm)	ICE-780C
11.25" (285mm)	80LB (355N)	0.12" (3.18mm)	3.06" (77.77mm)	0.18" (4.57mm)	ICE-1180C
14.35" (364mm)	80LB (355N)	0.12" (3.18mm)	4.00" (101.60mm)	0.18" (4.57mm)	ICE-1480C
14.82" (376mm)	160LB (711N)	0.19" (4.75mm)	4.06" (103.12mm)	0.30" (7.62mm)	ICE-14160C



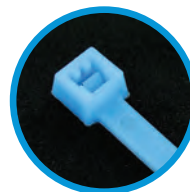
762949

ARCTIC TIE DISPLAY PROGRAM (ICE BLUE)

Contains 38 packs of 100 of Techspan's Arctic Cable Ties in a carton that can be used as a display box for increased POP sales. Carton Dimensions: 20"W x 14-1/2"D x 15"H (Background sign provides an additional 12"H)

Breakdown as follows:

- ICE-780C x 10
- ICE-1180C x 10
- ICE-1480C x 10
- ICE-14160C x 8



WHY THE "ICE-BLUE" COLOUR?

- Installer/End User will know that a genuine Cold Weather Arctic Tie is being used

Part # 762949 (Complete Display, with product)

Cable Tie Installation Tools can be found on page 119

ARCTIC TIE™

Arctic Cable Ties

SPECIAL POLYMER FOR WINTER PROTECTION 

UV ADDITIVE FOR SUMMER SUNLIGHT PROTECTION 

Techspan's Arctic Cable Ties are designed to perform in adverse weather conditions. The special polymer additive keeps the cable ties flexible and allows its installation without breakage in extreme temperatures. UV additive provides superior sunlight resistance. Arctic Cable Ties also withstand snow, environmental pollution, acidity in the air and UV Light. UV Black. North American made.

- Superior Performance against Extreme Cold & UV Exposure
- Excellent Sunlight, UV & Heat Resistance
- UV Black
- Arctic Cable Ties are rated at -40°C / -40°F to a maximum of 65°C / 149°F per ISO180
- **Minimum Installation Temperature: -40°C / -40°F**
- CSA Certified Type 11
- Made in the USA

UV BLACK

Length	Loop Tensile Strength	Bundle Diameter		Width	100 PCS/PK
		Min.	Max.		
7.56" (192mm)	50LB (222N)	0.12" (3.18mm)	1.87" (47.62mm)	0.18" (4.57mm)	ICE-750C-0
11.25" (285mm)	50LB (222N)	0.12" (3.18mm)	3.06" (77.77mm)	0.18" (4.57mm)	ICE-1150C-0
14.35" (364mm)	50LB (222N)	0.12" (3.18mm)	4.00" (101.60mm)	0.18" (4.57mm)	ICE-1450C-0
14.82" (376mm)	120LB (534N)	0.19" (4.75mm)	4.06" (103.12mm)	0.30" (7.62mm)	ICE-14120C-0



762948

ARCTIC TIE DISPLAY PROGRAM (UV BLACK)

Contains 38 packs of 100 of Techspan's Arctic Cable Ties in a carton that can be used as a display box for increased POP sales. Carton Dimensions: 20"W x 14-1/2"D x 15"H (Background sign provides an additional 12"H)

Breakdown as follows:

ICE-750C-0 x 10
 ICE-1150C-0 x 10
 ICE-1450C-0 x 10
 ICE-14120C-0 x 8



Part # 762948 (Complete Display, with product)

Cable Tie Installation Tools can be found on page 119

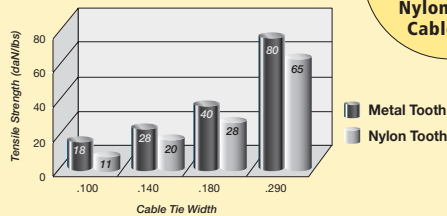
Cable Ties

Excellent
at Low
Temperatures



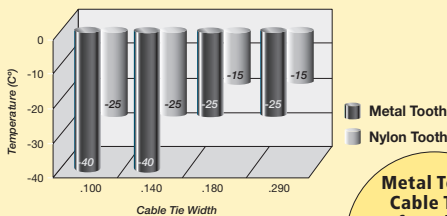
Metal Tooth Cable Ties

COMPARATIVE TENSILE TESTS (Metal Tooth vs Nylon Tooth)



Metal Tooth
Cable Ties are
up to 25%
stronger than
Nylon Tooth
Cable Ties

COMPARATIVE TEMPERATURE TESTS (Metal Tooth vs Nylon Tooth)



Metal Tooth
Cable Ties
perform better
at lower
temperatures
than Nylon Tooth
Cable Ties

Nylon Cable Ties with Metal Tooth

These nylon cable ties contain a Stainless Steel tooth that firmly grips the strap. Up to 25% stronger than regular nylon cable ties, the metal tooth is more resistant to impact at low temperatures. Metal tooth cable ties also perform better under dry conditions.

Application	Tensile Strength	Approx. Width	Approx. Thickness
Light-Duty	18LB	3.0mm	1.10mm
Medium-Duty	40LB	3.7mm	1.25mm
Standard-Duty	50LB	4.8mm	1.25mm
Heavy-Duty	120LB	7.0mm	1.70mm

Light-Duty Metal Tooth Cable Ties

Approx. Length	Strength	Colour	Bundle Dia. (mm)	100 PCS/PK	1000 PCS/PK
4" (100mm)	18LB	Natural	3.0 to 20.5mm	762951	762951M
8" (200mm)	18LB	Natural	3.0 to 52.5mm	762953	762953M
4" (100mm)	18LB	UV Black	3.0 to 20.5mm	762950	762950M
8" (200mm)	18LB	UV Black	3.0 to 52.5mm	762952	762952M

Medium-Duty Metal Tooth Cable Ties

Approx. Length	Strength	Colour	Bundle Dia. (mm)	100 PCS/PK	1000 PCS/PK
5.5" (140mm)	40LB	Natural	3.5 to 33.0mm	762955	762955M
8" (200mm)	40LB	Natural	3.5 to 52.5mm	762957	762957M
11.8" (280mm)	40LB	Natural	3.5 to 84.0mm	762959	762959M
5.5" (140mm)	40LB	UV Black	3.5 to 33.0mm	762954	762954M
8" (200mm)	40LB	UV Black	3.5 to 52.5mm	762956	762956M
11.8" (300mm)	40LB	UV Black	3.5 to 84.0mm	762958	762958M

Standard-Duty Metal Tooth Cable Ties

Approx. Length	Strength	Colour	Bundle Dia. (mm)	100 PCS/PK	1000 PCS/PK
7.9" (195mm)	50LB	Natural	3.5 to 49.5mm	762961	762961M
11.8" (300mm)	50LB	Natural	3.5 to 81.0mm	762963	762963M
14.5" (370mm)	50LB	Natural	3.5 to 103.5mm	762965	762965M
7.9" (195mm)	50LB	UV Black	3.5 to 49.5mm	762960	762960M
11.8" (300mm)	50LB	UV Black	3.5 to 81.0mm	762962	762962M
14.5" (370mm)	50LB	UV Black	3.5 to 103.5mm	762964	762964M

Heavy-Duty Metal Tooth Cable Ties

Approx. Length	Strength	Colour	Bundle Dia. (mm)	50 PCS/PK	500 PCS/PK
14.5" (370mm)	120LB	Natural	8.5 to 103.5mm	762969	762969B
30" (760mm)	120LB	Natural	8.5 to 226mm	*762971	
14.5" (370mm)	120LB	UV Black	8.5 to 103.5mm	762968	762968B
30" (760mm)	120LB	UV Black	8.5 to 226mm	*762970	

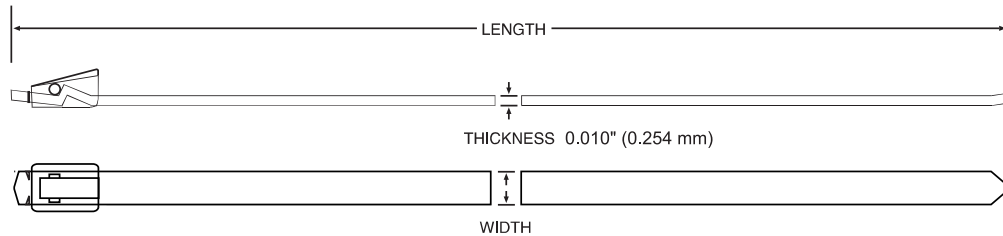
*NEW

*NEW

Cable Ties

Stainless Steel Cable Ties

- **Made with 316 Stainless Steel** that provides excellent resistance to temperature and moisture variations
- **Temperature Resistance:** -80°C to 538°C
- **Ball Locking** mechanism provides ease of insertion and high tensile strength ('Roller Ball'-type)
- **Ideal applications:** harsh, corrosive and salt-water environments, chemical and radiation exposure, temperature extremes, food processing and vibrating equipment



150LB TENSILE STRENGTH (UNCOATED)

Approx. Length	Width	Max. Bundle Dia.	10 PCS/PK	100 PCS/PK
8" (203.2mm)	0.181"	4.6mm	662840	762840
14" (355.6mm)	0.181"	4.6mm	662841	762841
20" (508.0mm)	0.181"	4.6mm	662842	762842
24" (609.6mm)	0.181"	4.6mm	662846	762846
27" (685.8mm)	0.181"	4.6mm	662843	762843



150LB Stainless Steel Cable Ties

250LB TENSILE STRENGTH (UNCOATED)

Approx. Length	Width	Max. Bundle Dia.	10 PCS/PK	100 PCS/PK
8" (203.2mm)	0.311"	7.9mm	662844	762844
14" (355.6mm)	0.311"	7.9mm	662845	762845
24" (609.6mm)	0.311"	7.9mm	662847	762847



Part# 762866 is a tool that can be used to install Stainless Steel Cable Ties. More information on this tool can be found on page 119

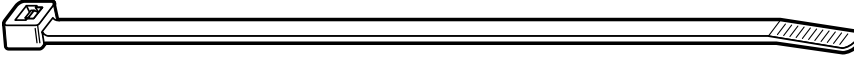


250LB Stainless Steel Cable Ties

Cable Ties

18-40LB Strength Cable Ties – Professional Series

For light-duty bundling applications.



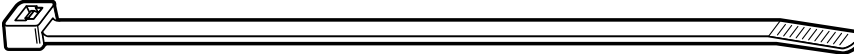
C

Approx. Length	Strength	Colour	Max. Bundle Dia.	25 PCS/PK	100 PCS/PK	1000 PCS/PK
4" (102mm)	18LB	UV Black	5/8" (16mm)	662880	762880	762880M
6" (155mm)	18LB	UV Black	1-1/2" (40mm)		762870	762870M
8" (202mm)	18LB	UV Black	2" (51mm)	662881	762881	762881M
5.6" (145mm)	40LB	UV Black	1-1/4" (32mm)	662884	762884	762884M
8" (215mm)	40LB	UV Black	2" (51mm)		762801	762801M
11" (282mm)	40LB	UV Black	3" (76mm)	662803	762803	762803M
14" (358mm)	40LB	UV Black	4" (102mm)	662805	762805	762805M
4" (102mm)	18LB	Natural	5/8" (16mm)	662825	762825	762825M
6" (155mm)	18LB	Natural	1-1/2" (40mm)		762875	762875M
8" (202mm)	18LB	Natural	2" (51mm)	662826	762826	762826M
5.6" (145mm)	40LB	Natural	1-1/4" (32mm)	662827	762827	762827M
8" (215mm)	40LB	Natural	2" (51mm)		762802	762802M
11" (282mm)	40LB	Natural	3" (76mm)	662804	762804	762804M
14" (358mm)	40LB	Natural	4" (102mm)	662806	762806	762806M

Cable Tie Installation Tools can be found on page 119

18-40LB Strength Cable Ties – K-Spec® Series

For light-duty bundling applications.



Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK	1000 PCS/PK
4.0" (102mm)	18LB	Black	0.90" (23mm)	E4180C	E4180M
6.3" (162mm)	18LB	Black	1.58" (40mm)	E6180C	E6180M
7.9" (201mm)	18LB	Black	1.97" (50mm)	E8180C	E8180M
5.5" (140mm)	40LB	Black	1.34" (34mm)	E5400C	E5400M
8.0" (202mm)	40LB	Black	2.12" (54mm)	E8400C	E8400M
11.4" (290mm)	40LB	Black	3.23" (82mm)	E11400C	E11400M
14.5" (368mm)	40LB	Black	4.17" (106mm)	E14400C	E14400M
4.0" (102mm)	18LB	Natural	0.90" (23mm)	E4189C	E4189M
6.3" (162mm)	18LB	Natural	1.58" (40mm)	E6189C	E6189M
7.9" (201mm)	18LB	Natural	1.97" (50mm)	E8189C	E8189M
5.5" (140mm)	40LB	Natural	1.34" (34mm)	E5409C	E5409M
8.0" (202mm)	40LB	Natural	2.12" (54mm)	E8409C	E8409M
11.4" (290mm)	40LB	Natural	3.23" (82mm)	E11409C	E11409M
14.5" (368mm)	40LB	Natural	4.17" (106mm)	E14409C	E14409M

Cable Tie Installation Tools can be found on page 119



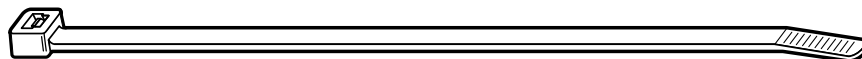
The cable tie pictures found in this section were taken at actual size in terms of width. To help determine your existing cable tie, simply place it on the cable ties shown, match it up in terms of width, then identify the length.



Cable Ties

50LB Strength Cable Ties – Professional Series

Our most popular strength cable ties. Standard Duty.

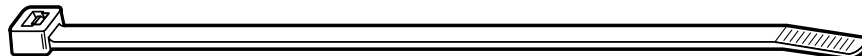


Approx. Length	Strength	Colour	Max. Bundle Dia.	25 PCS/PK	100 PCS/PK	500 PCS/PK	1000 PCS/PK
7.5" (193mm)	50LB	UV Black	1-3/4" (44mm)	662886	762886		762886M
11" (282mm)	50LB	UV Black	3" (76mm)	662888	762888	762888B	
14" (358mm)	50LB	UV Black	4" (102mm)	662821	762821	762821B	
17" (430mm)	50LB	UV Black	4-1/2" (115mm)		762829		
7.5" (193mm)	50LB	Natural	1-3/4" (44mm)	662830	762830		762830M
11" (282mm)	50LB	Natural	3" (76mm)	662832	762832	762832B	
14" (358mm)	50LB	Natural	4" (102mm)	662818	762818	762818B	
17" (430mm)	50LB	Natural	4-1/2" (115mm)		762828		

Cable Tie Installation Tools can be found on page 119

50LB Strength Cable Ties – K-Spec® Series

Our most popular strength cable ties. Standard Duty.



Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK	500 PCS/PK	1000 PCS/PK
4.7" (119mm)	50LB	Black	1.57" (40mm)	E5500C		E5500M
7.9" (200mm)	50LB	Black	2.12" (54mm)	E7500C		E7500M
11.9" (302mm)	50LB	Black	3.30" (84mm)	E11500C	E11500D	
14.5" (371mm)	50LB	Black	4.17" (106mm)	E14500C	E14500D	
16.9" (428mm)	50LB	Black	4.52" (115mm)	E17500C		
4.7" (119mm)	50LB	Natural	1.57" (40mm)	E5509C		E5509M
7.9" (200mm)	50LB	Natural	2.12" (54mm)	E7509C		E7509M
11.9" (302mm)	50LB	Natural	3.30" (84mm)	E11509C	E11509D	
14.5" (371mm)	50LB	Natural	4.17" (106mm)	E14509C	E14509D	
16.9" (428mm)	50LB	Natural	4.52" (115mm)	E17509C		

Cable Tie Installation Tools can be found on page 119



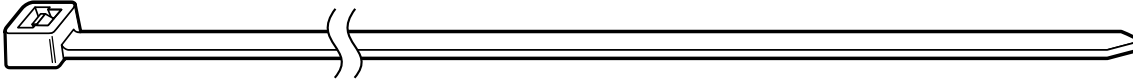
The cable tie pictures found in this section were taken at actual size in terms of width. To help determine your existing cable tie, simply place it on the cable ties shown, match it up in terms of width, then identify the length.



Cable Ties

120LB Strength Cable Ties – Professional Series

Where heavy cable and hose fastening is required. Heavy-Duty

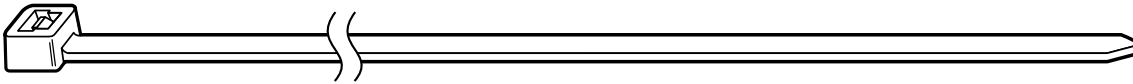


Approx. Length	Strength	Colour	Max. Bundle Dia.	25 PCS/PK	50 PCS/PK	100 PCS/PK
8" (202mm)	120LB	UV Black	2" (51mm)	662882		762882
11" (282mm)	120LB	UV Black	3" (76mm)			762836
14" (363mm)	120LB	UV Black	4" (102mm)	662890		762890
18" (457mm)	120LB	UV Black	4-7/8" (124mm)		762834	
24" (616mm)	120LB	UV Black	7" (178mm)		762808	
30" (781mm)	120LB	UV Black	9" (288mm)		762810	
8" (202mm)	120LB	Natural	2" (51mm)	662894		762894
11" (282mm)	120LB	Natural	3" (76mm)			762837
14" (363mm)	120LB	Natural	4" (102mm)	662833		762833
18" (457mm)	120LB	Natural	4-7/8" (124mm)		762835	
24" (616mm)	120LB	Natural	7" (178mm)		762809	
30" (781mm)	120LB	Natural	9" (288mm)		762811	

Part# 762862 is a tool that can be used to install 120LB & 175LB Cable Ties. More information on this tool can be found on page 119

120LB Strength Cable Ties – K-Spec® Series

Where heavy cable and hose fastening is required. Heavy-Duty



Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK
8.0" (202mm)	120LB	Black	2.12" (54mm)	E81200C
11.5" (292mm)	120LB	Black	3.23" (82mm)	E111200C
14.5" (368mm)	120LB	Black	4.17" (106mm)	E141200C
21.3" (540mm)	120LB	Black	6.18" (157mm)	E221200C
8.0" (202mm)	120LB	Natural	2.12" (54mm)	E81209C
11.5" (292mm)	120LB	Natural	3.23" (82mm)	E111209C
14.5" (368mm)	120LB	Natural	4.17" (106mm)	E141209C
21.3" (540mm)	120LB	Natural	6.18" (157mm)	E221209C

Part# 762862 is a tool that can be used to install 120LB & 175LB Cable Ties. More information on this tool can be found on page 119



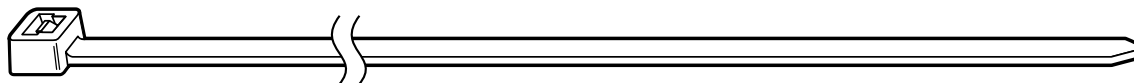
The cable tie pictures found in this section were taken at actual size in terms of width. To help determine your existing cable tie, simply place it on the cable ties shown, match it up in terms of width, then identify the length.



Cable Ties

175LB Strength Cable Ties – Professional Series

For extra heavy-duty applications.



Approx. Length	Strength	Colour	Max. Bundle Dia.	50 PCS/PK
24" (612mm)	175LB	UV Black	7-1/4" (184mm)	762923
36" (914mm)	175LB	UV Black	10-3/4" (273mm)	762924
48" (1216mm)	175LB	UV Black	15" (375mm)	762925
24" (612mm)	175LB	Natural	7-1/4" (184mm)	762891
36" (914mm)	175LB	Natural	10-3/4" (273mm)	762892
48" (1216mm)	175LB	Natural	15" (375mm)	762896
48" (1216mm)	175LB	Grey	15" (375mm)	762814

Part# **762862** is a tool that can be used to install 120LB & 175LB Cable Ties. More information on this tool can be found on page 119



The cable tie pictures found in this section were taken at actual size in terms of width. To help determine your existing cable tie, simply place it on the cable ties shown, match it up in terms of width, then identify the length.

C



18LB
.100"
(2.5mm)



40LB
.140"
(3.6mm)



50LB
.187"
(5.0mm)



120LB
.300"
(8.0mm)



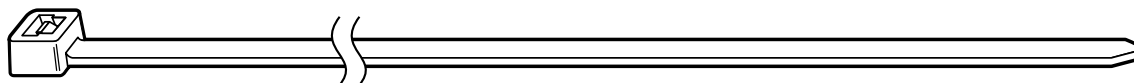
175LB
.345"
(9.0mm)



250LB
.510"
(12.4mm)

175LB Strength Cable Ties – K-Spec® Series

For extra heavy-duty applications.

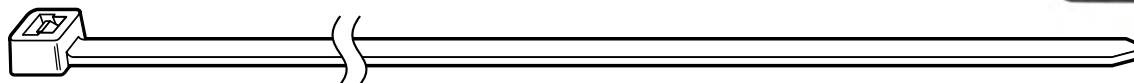


Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK
17.0" (425mm)	175LB	Black	4.52" (115mm)	E171750C
20.7" (525mm)	175LB	Black	5.90" (150mm)	E201750C
27.9" (709mm)	175LB	Black	7.28" (185mm)	E281750C
30.5" (774mm)	175LB	Black	8.66" (220mm)	E301750C
31.9" (811mm)	175LB	Black	9.05" (230mm)	E321750C
17.0" (425mm)	175LB	Natural	4.52" (115mm)	E171759C
20.7" (525mm)	175LB	Natural	5.90" (150mm)	E201759C
27.9" (709mm)	175LB	Natural	7.28" (185mm)	E281759C
30.5" (774mm)	175LB	Natural	8.66" (220mm)	E301759C
31.9" (811mm)	175LB	Natural	9.05" (230mm)	E321759C

Part# **762862** is a tool that can be used to install 120LB & 175LB Cable Ties. More information on this tool can be found on page 119

250LB Strength Cable Ties – K-Spec® Series

Our strongest cable ties.

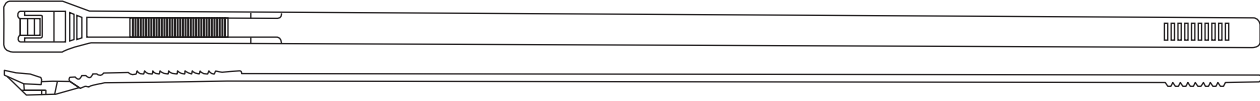


Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK
20.0" (510mm)	250LB	Black	5.90" (150mm)	E202500C
25.2" (618mm)	250LB	Black	7.12" (181mm)	E242500C
27.6" (702mm)	250LB	Black	8.50" (216mm)	E282500C
32.4" (824mm)	250LB	Black	9.76" (248mm)	E322500C
20.0" (510mm)	250LB	Natural	5.90" (150mm)	E202509C
25.2" (618mm)	250LB	Natural	7.12" (181mm)	E242509C
27.6" (702mm)	250LB	Natural	8.50" (216mm)	E282509C
32.4" (824mm)	250LB	Natural	9.76" (248mm)	E322509C

Cable Ties

Low Profile Cable Ties

These cable ties stay flush when used on a round surface. Excellent to use when safety is a factor.



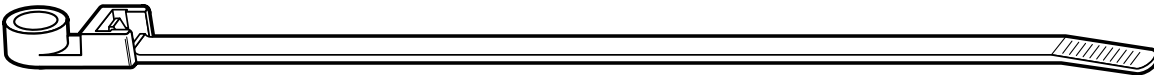
Approx. Length	Strength	Colour	Max. Bundle Dia.	25 PCS/PK	100 PCS/PK
14.5" (372mm)	50LB	UV Black	4" (102mm)	662934	
14.5" (372mm)	120LB	UV Black	4" (102mm)		762944
7.5" (191mm)	50LB	Natural	1-3/4" (44mm)	662874	
11" (282mm)	50LB	Natural	3" (76mm)		762933
14.5" (372mm)	50LB	Natural	4" (102mm)		762935
14.5" (372mm)	120LB	Natural	4" (102mm)		762945



Low Profile Cable Ties

Mounting Head Cable Ties (Assorted Strengths) – Professional Series

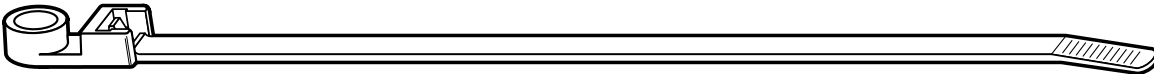
Ideal for fastening cables and hoses to walls, partitions and frame rails. Screw mount.



Approx. Length	Strength	Colour	Screw Size	Max. Bundle Dia.	25 PCS/PK	100 PCS/PK	500 PCS/PK	1000 PCS/PK
6" (152mm)	40LB	UV Black	#8	1-1/4" (32mm)	662928	762928		762928M
7.5" (191mm)	50LB	UV Black	#10	1-3/4" (44mm)	662902	762902		762902M
11" (282mm)	50LB	UV Black	#10	3" (76mm)		762903	762903B	
14" (365mm)	50LB	UV Black	#10	4" (102mm)	662904	762904	762904B	
14" (374mm)	120LB	UV Black	1/4"	4" (102mm)	662820	762820		
6" (152mm)	40LB	Natural	#8	1-1/4" (32mm)	662822	762822		762822M
7.5" (191mm)	50LB	Natural	#10	1-3/4" (44mm)	662900	762900		762900M
11" (282mm)	50LB	Natural	#10	3" (76mm)		762901	762901B	
14" (365mm)	50LB	Natural	#10	4" (102mm)	662819	762819	762819B	
14" (374mm)	120LB	Natural	1/4"	4" (102mm)	662815	762815		

Mounting Head Cable Ties (Assorted Strengths) – K-Spec® Series

Ideal for fastening cables and hoses to walls, partitions and frame rails. Screw mount.

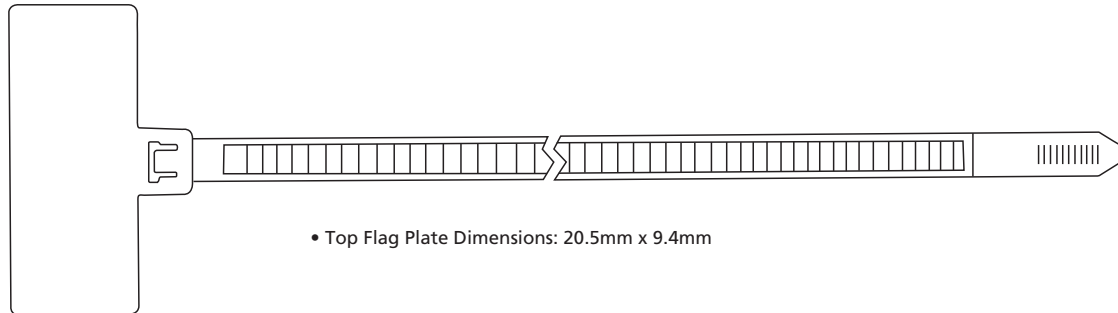


Approx. Length	Strength	Colour	Screw Size	Max. Bundle Dia.	100 PCS/PK	1000 PCS/PK
5.9" (150mm)	40LB	Black	#8	1.38" (35mm)	E540MH0C	E540MH0M
8.0" (200mm)	50LB	Black	#10	1.97" (50mm)	E750MH0C	E750MH0M
14.5" (368mm)	120LB	Black	1/4"	3.94" (100mm)	E14120MH0C	
5.9" (150mm)	40LB	Natural	#8	1.38" (35mm)	E540MH9C	E540MH9M
8.0" (200mm)	50LB	Natural	#10	1.97" (50mm)	E750MH9C	E750MH9M
14.5" (368mm)	120LB	Natural	1/4"	3.94" (100mm)	E14120MH9C	

Cable Ties

Identification Tag Cable Ties

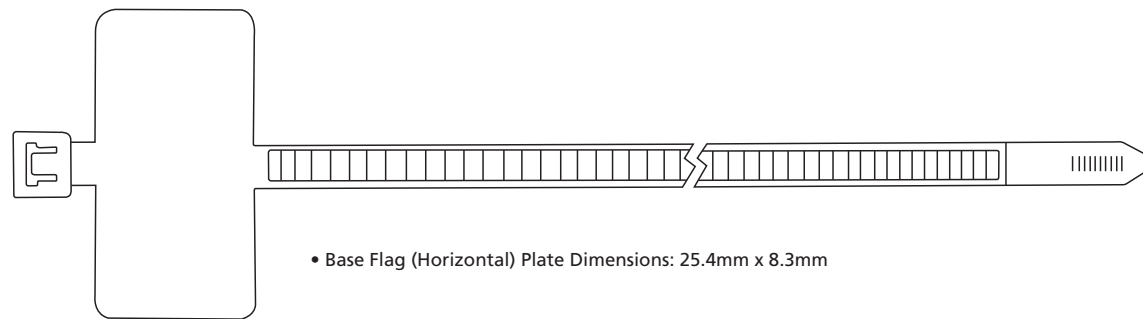
To identify wire bundles.



- Top Flag Plate Dimensions: 20.5mm x 9.4mm

Top Flag (Horizontal)

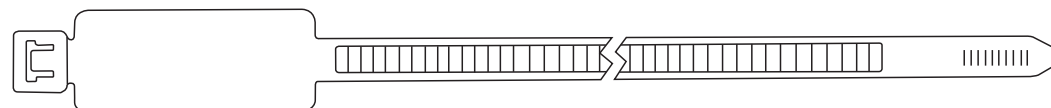
Approx. Length	Strength	Colour	Max. Bundle Dia.	25 PCS/PK	100 PCS/PK	1000 PCS/PK
4" (102mm)	18LB	Natural	19mm	-	762876	762876M



- Base Flag (Horizontal) Plate Dimensions: 25.4mm x 8.3mm

Base Flag (Horizontal)

Approx. Length	Strength	Colour	Max. Bundle Dia.	25 PCS/PK	100 PCS/PK	1000 PCS/PK
4.1" (110mm)	18LB	Natural	21mm	-	762931	762931M
8" (196mm)	18LB	Natural	53mm	-	762929	762929M



- Base Flag (Vertical) Plate Dimensions: 13mm x 28mm

Base Flag (Vertical)

Approx. Length	Strength	Colour	Max. Bundle Dia.	25 PCS/PK	100 PCS/PK	1000 PCS/PK
7.5" (200mm)	50LB	Natural	50mm	662906	762906	762906M
11" (270mm)	50LB	Natural	75mm	-	762930	-

Cable Ties

Dual Clamp Cable Ties

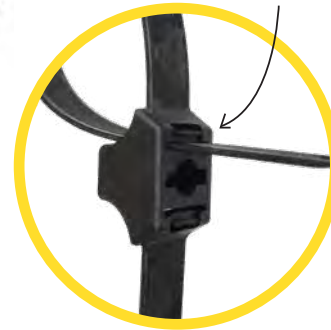


- Material: 6/6 Nylon
- 94-HB UL Flame Rating
- Mounting Head Dimensions (L x W x H): 28.5 x 20 x 19.5mm
- Operating Temperature: -40°C (-40°F) to 115°C (239°F)

**RELEASABLE
CABLE TIES**

***NEW
*NEW**

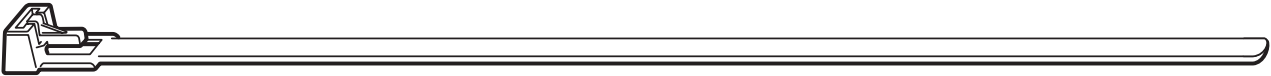
Approx. Length	Strength	Colour	Max. Bundle Dia.	Width	Thickness	10 PCS/PK	50 PCS/PK
13" (340mm)	150LBS	UV Black	1.5" (39mm)	12.6mm	1.4mm	*662946	*762946
19.5" (500mm)	150LBS	UV Black	2.5" (64mm)	12.6mm	1.4mm	*662947	*762947



A screwdriver on the tooth can be used to release the cable tie

Releasable Cable Ties (50LB Strength)

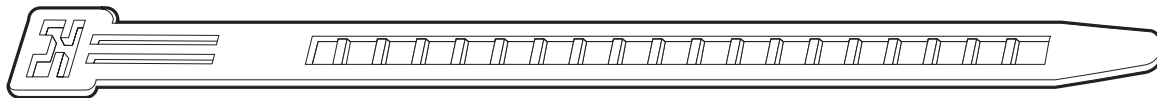
Used when access to cables is required. Re-usable.



Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK
8" (200mm)	50LB	Black	2" (51mm)	762817
8" (200mm)	50LB	Natural	2" (51mm)	762816

Cord Band (Ladder-Type) Cable Ties

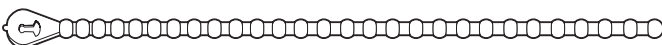
Great for extension cords or cords on power tools. Reusable.



Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK	500 PCS/PK
7.1" (180mm)	—	Natural	1.85" (47mm)	762877	762877B

Beaded Cable Ties (8LB Strength)

Great for bundling things in pairs. Reusable.



Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK	1000 PCS/PK
4.2" (107mm)	8LB	Natural	1.14" (29mm)	762878	762878M

Cable Ties

Coloured Cable Ties

These coloured ties are ideal for colour-coding and cosmetic appeal. All coloured cable ties are available in packs of 100 and 1000 and come in many colours.

Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK
7.5" (190mm)	50LB	Brown	1-3/4" (44mm)	762761
7.5" (190mm)	50LB	Red	1-3/4" (44mm)	762762
7.5" (190mm)	50LB	Orange	1-3/4" (44mm)	762763
7.5" (190mm)	50LB	Yellow	1-3/4" (44mm)	762764
7.5" (190mm)	50LB	Green	1-3/4" (44mm)	762765
7.5" (190mm)	50LB	Blue	1-3/4" (44mm)	762766
7.5" (190mm)	50LB	Purple	1-3/4" (44mm)	762767
7.5" (190mm)	50LB	Grey	1-3/4" (44mm)	762768

Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK
11.2" (285mm)	50LB	Brown	3" (76mm)	762751
11.2" (285mm)	50LB	Red	3" (76mm)	762752
11.2" (285mm)	50LB	Orange	3" (76mm)	762753
11.2" (285mm)	50LB	Yellow	3" (76mm)	762754
11.2" (285mm)	50LB	Green	3" (76mm)	762755
11.2" (285mm)	50LB	Blue	3" (76mm)	762756
11.2" (285mm)	50LB	Purple	3" (76mm)	762757
11.2" (285mm)	50LB	Grey	3" (76mm)	762758

Cable Tie Installation Tools can be found on page 119



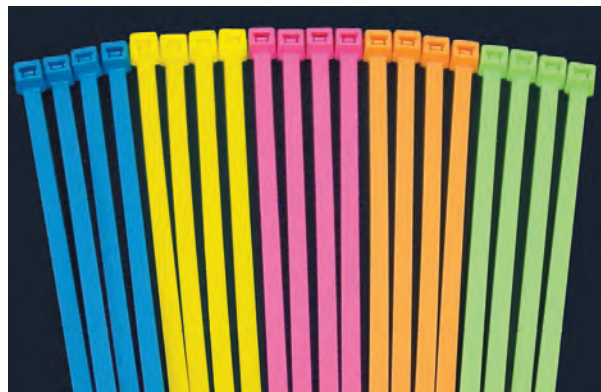
Coloured Cable Ties

Fluorescent Cable Ties

These fluorescent cable ties are ideal for colour-coding and cosmetic appeal. All fluorescent cable ties are available in packs of 100 and 1000 and come in 5 colours.

Approx. Length	Strength	Colour	Max. Bundle Dia.	100 PCS/PK
7.5" (193mm)	50LB	Pink	1-3/4" (44mm)	762915
7.5" (193mm)	50LB	Orange	1-3/4" (44mm)	762916
7.5" (193mm)	50LB	Blue	1-3/4" (44mm)	762917
7.5" (193mm)	50LB	Green	1-3/4" (44mm)	762918
7.5" (193mm)	50LB	Yellow	1-3/4" (44mm)	762919

Cable Tie Installation Tools can be found on page 119



Fluorescent Cable Ties

Chrome Plated Cable Ties

New contemporary style of cable ties are great for custom shops, hot rods, custom bikes & other customized vehicles. Comes in 6 shining colours.

Approx. Length	Strength	Colour	Max. Bundle Dia.	10 PCS/PK	100 PCS/PK
4.0" (102mm)	18LB	Blue	3/4" (19mm)	662799	762799
4.0" (102mm)	18LB	Gold	3/4" (19mm)	662798	762798
4.0" (102mm)	18LB	Green	3/4" (19mm)	662797	762797
4.0" (102mm)	18LB	Purple	3/4" (19mm)	662796	762796
4.0" (102mm)	18LB	Red	3/4" (19mm)	662795	762795
4.0" (102mm)	18LB	Silver	3/4" (19mm)	662794	762794
6.0" (155mm)	18LB	Silver	1-9/16" (40mm)	662774	762774
8.0" (200mm)	40LB	Blue	2" (50mm)	662789	762789
8.0" (200mm)	40LB	Gold	2" (50mm)	662788	762788
8.0" (200mm)	40LB	Green	2" (50mm)	662787	762787
8.0" (200mm)	40LB	Purple	2" (50mm)	662786	762786
8.0" (200mm)	40LB	Red	2" (50mm)	662785	762785
8.0" (200mm)	40LB	Silver	2" (50mm)	662784	762784

Cable Tie Installation Tools can be found on page 119



Chrome Plated Cable Ties

Cable Tie Assortments

C



762997 1500 pc
 UV Black Cable Tie
 'Flip' Kit



762998 1500 pc
 Natural Cable Tie
 'Flip' Kit



762920



762921

Cable Tie Assortments (Handy Packs)

Cable Tie Assortments – 'Flip Kits'

These assortments contain 1500 pieces of popular sized all-Nylon Cable Ties. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

UV Black **762997**

Natural **762998**

Kit Contents for **762997**:

Part #	Description	Qty
762880	4" 18LB UV Black Cable Ties	300 pcs
762884	5" 40LB UV Black Cable Ties	400 pcs
762886	7" 50LB UV Black Cable Ties	200 pcs
762888	11" 50LB UV Black Cable Ties	200 pcs
762821	14" 50LB UV Black Cable Ties	200 pcs
762890	14" 120LB UV Black Cable Ties	100 pcs
762938	1" X 1" Adhesive-Back Black Cable Tie Mounts	100 pcs

Kit Contents for **762998**:

Part #	Description	Qty
762825	4" 18LB Natural Cable Ties	300 pcs
762827	5" 40LB Natural Cable Ties	400 pcs
762830	7" 50LB Natural Cable Ties	200 pcs
762832	11" 50LB Natural Cable Ties	200 pcs
762818	14" 50LB Natural Cable Ties	200 pcs
762833	14" 120LB Natural Cable Ties	100 pcs
762908	1" X 1" Adhesive-Natural Natural Cable Tie Mounts	100 pcs

Cable Tie Assortment-Handy Pack

These assortments are a must for every tool kit – garage, home or shop. Each assortment contains 400 cable ties in 3 popular lengths with each length enclosed in its own compartment with a resealable access door. Closing the access door prevents air from entering the compartment, thereby prolonging the life of the cable ties by preventing them from drying out. Convenient and organized, the package container is reusable.

Dimensions: 7-1/4"W x 15"L x 2"H

This handy assortment is available in 2 colours, with each containing:

- 200 – 4" cable ties
- 100 – 7.5" cable ties
- 100 – 11" cable ties

	Natural	UV Black
Cable tie assortment	762920	762921

Cable Ties

Cable Tie Assortment – Coloured Ties

762760 This assortment contains one pack of 100 of each of the 10 **solid colours** offered by Techspan in the 7-1/2" 50LB series (1000 cable ties in all): Black, Blue, Brown, Green, Grey, Natural, Orange, Purple, Red and Yellow. Display box is easy to set up. Dimensions: 9-1/4"W x 9"H x 8"D

762760 Cable Tie Assortment – Coloured Ties



Cable Tie Assortment–Fluorescent

762914 This assortment contains two packs of 100 of each of the 5 **fluorescent colours** offered by Techspan in the 7-1/2" 50LB series (1000 cable ties in all): Blue, Green, Orange, Pink and Yellow. Display box is easy to set up. Dimensions: 9-1/4"W x 9"H x 8"D

762914 Cable Tie Assortment – Fluorescent Coloured Ties



Cable Tie Assortment – Coloured Ties in Jars

Coloured cable ties are ideal for colour-coding and cosmetic appeal and are conveniently packaged in jars. Dimensions of Jar: 4-3/4" Diameter x 12"H

562999 650 pc cable tie jar assortment. Contains:
 300 – 4" cable ties (200 pc Natural & 25 pcs each of Blue, Green, Red & Yellow)
 300 – 7" cable ties (All Natural)
 50 – 11" cable ties (All Natural)

562999B Same as **562999**, except 16 jars in a carton.



562999 Cable Tie Assortment – Coloured Ties/Jars

Coloured Cable Tie Assortment–Handy Pack

***762996** Where electrical coding is required or for simple cosmetic appeal, this 315-piece Coloured Cable Tie Assortment Pack is an ideal solution for the garage, home or shop. It contains an assortment of 13 **fluorescent and solid colour** cable ties in 3 popular lengths, with each length enclosed in its own compartment with a resealable access door. Closing the access door prevents air from entering the compartment, thereby prolonging the life of the cable ties by preventing them from drying out. Convenient and organized, the package container is reusable. Dimensions: 7-1/4"W x 15"L x 2"H

This handy assortment contains:

105 – 4" coloured cable ties
 105 – 7.5" coloured* cable ties
 105 – 11" coloured* cable ties

*For a summary of the colours included, see the top 2 sections on page 115



***762996 Coloured Cable Tie Assortment Handy-Pack**

Cable Tie Accessories – Mounting Pads



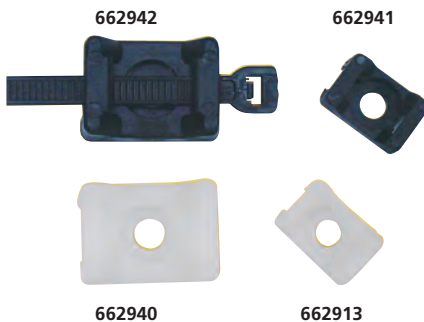
Adhesive Backed Mounting Pads

Adhesive Backed Cable Tie Mounts

Techspan nylon cable tie mounts are secured with an adhesive back. The tab keeps the cable tie head from sliding down behind the bundle during vertical applications and maintains placement during horizontal applications. Lead-in feature funnels cable ties into position and countersunk screw hole allows the cable tie to easily pass over the screw head. 4-sided entry with centre screw hole.

Trade Size (Description)	Approx. Dimensions (L x W x H)	Approx. Dimensions (L x W x H)
3/4" x 3/4" Small	0.740" x 0.740" x 0.19"	18.8mm x 18.8mm x 4.8mm
1" x 1" Large	0.990" x 0.990" x 0.20"	25.1mm x 25.1mm x 5.1mm

Colour	Trade Size (Description)	Use with Cable Tie Series	Screw Size	25 PCS/PK	100 PCS/PK	500 PCS/PK
Black	3/4" x 3/4" Small	18-40LBS	#4	662939	762939	762939B
Natural	3/4" x 3/4" Small	18-40LBS	#4	662912	762912	762912B
Black	1" x 1" Large	18-50LBS	#6	662938	762938	762938B
Natural	1" x 1" Large	18-50LBS	#6	662908	762908	762908B



'Saddle'-Type Cable Tie Screw Mounts

'Saddle'-Type Cable Tie Screw Mounts

Techspan 'saddle'-type nylon cable tie mounts have a unique cradle design that provides maximum stability and rigidity to the wire bundle. Available in black or natural, Techspan cable tie 'saddle'-type cable tie screw mounts are non-conductive, non-corrosive and resistant to fuels, lubricants and most chemicals. Available in the following two sizes:

Description	Approx. Dimensions (L x W x H)	Approx. Dimensions (L x W x H)
Small 'Saddle-Type' Screw Mount	0.600" x 0.385" x 0.276"	15mm x 10mm x 7mm
Large 'Saddle-Type' Screw Mount	0.875" x 0.625" x 0.354"	23mm x 16mm x 9mm

Colour	Description	Use with Cable Tie Series	Screw Size	25 PCS/PK	100 PCS/PK	500 PCS/PK
Black	Small	18-50LBS	#4 – #6	662941	762941	762941B
Natural	Small	18-50LBS	#4 – #6	662913	762913	762913B
Black	Large	Up to 120LBS	1/4"	662942	762942	762942B
Natural	Large	Up to 120LBS	1/4"	662940	762940	762940B

Cable Tie Tools

Cable Tie Tool – Lightweight

762860 Inexpensive, effective and light-weight. Place the cable tie end into the tool and squeeze trigger to desired tension. Cut the cable tie with a simple twist of the wrist. No sharp ends are left. Recommended for use with 18-50LB Series' cable ties. Approximate length: 6-3/4" (171.45mm)



762860 Cable Tie Tool (Lightweight)

Cable Tie Tool – Adjustable/Auto-Cut (Medium-Duty)

762861 For frequent users and assembly applications, this tool has adjustable tension settings. The tool will automatically cut off the cable tie end at your desired tension with a safe and smooth finish and will remove excess strap flush against the cable tie head. Less operator fatigue. Saves time. Recommended for use with 18-50LB Series' cable ties. Approximate length: 6-1/2" (165.10mm)



762861 Cable Tie Tool – Adjustable/Auto-Cut (Medium-Duty)

Cable Tie Tool – Adjustable/Auto-Cut (Heavy-Duty)

762864 This heavy-duty tool is for use with 18-50LB Series' cable ties. Automatic cut-off and adjustable tensioning makes this tool dependable in assembly applications. Approximate length: 6-1/2" (165.10mm)



762864 Cable Tie Tool – Adjustable/Auto-Cut (Heavy-Duty)

Cable Tie Tool – For 120-175LB Series' Cable Ties

762862 Plier action provides excellent tensioning of 120-175LB Series' cable ties. The cutter provides a smooth, safe finish. Field proven durability. Approximate length: 7-1/2" (190.50mm)



762862 Tool for 120-175LB Series Cable Ties

Cable Tie Tool – Stainless Steel Cable Ties

762866 Steel tie gun for tensioning and cut off. Tool is a ball-lock and ladder type. For use with our stainless steel ties found on page 88. Approximate length: 8" (203.20mm)



762866 Tool for Stainless Steel Cable Ties

Loom & Tubing

D



Loom & Tubing

Expandable Braided Loom

Also known as Expandable Monofilament Sleeve, this polyester sleeving is **Flame Retardant** and **Halogen-Free**. It offers durable abrasion resistance in a wide range of industrial applications. The open weave construction allows an easy installation on a bundle of hoses and cables, even with bulky or large connectors.

Totally expanded the sleeving can reach at least 1.5 times the initial dimension. Offered in convenient 100FT spools.

Applications:

Expandable monofilament braided sleeving provides a tough, durable protection over tubing, hoses, wire, wire bundles, wire harnesses, cable assemblies and flat ribbon cable without adding critical weight, bulk and extra cost. The resistance of the polyester monofilaments to most oils, salt water, fuels, cleaners, solvents and chemicals makes it ideal for applications in harsh environments and in electronics, marine, and industrial wire harness applications. Exhibits excellent stretch and flexibility even at low temperatures making it ideal for applications in machine tools, robotics, automated equipment and wherever exposure to extreme weather conditions is a concern.

Technical Data

Material/Colour: PET Polyester, Black
Operating Temperature: -50°C to +125°C
Melting Point: +240°C (+/- 10°C)
Flammability: VW-1
Standard Colour: Black
Approval: UL, ROHS, PFOS, REACH, Halogen-Free

Nominal ID	Expanded Range (inches)	100FT/Spool
1/4"	0.118" – 0.376"	769334
3/8"	0.276" – 0.669"	769335
1/2"	0.315" – 0.787"	769336
3/4"	0.551" – 1.181"	769337
1"	0.709" – 1.299"	769338
1-1/4"	0.787" – 1.969"	769339
1-3/4"	1.181" – 2.362"	769340
2"	1.575" – 3.150"	769348
2-1/2"	1.772" – 4.134"	769349



Expandable Braided Loom

Fiber Loom

Durable non-metallic loom withstands abrasion, provides excellent protection against electrical interference and short circuits. Saturated with an asphalt compound to provide moisture protection. Maximum temperature rating 135°C (275°F). Conforms to SAE J562A.

ID Size	25FT Roll	100FT Roll	1000FT Roll	Packaging Type
1/4" (6.4mm)		769801	769821	Box
3/8" (9.5mm)		769803	769823	Box
1/2" (12.7mm)		769805		Box
5/8" (15.9mm)		769807		Box
3/4" (19.1mm)	769833			Box
1" (25.4mm)	769859			Box



Fiber Loom

Loom/Tubing Cutting Tools can be found on page 126

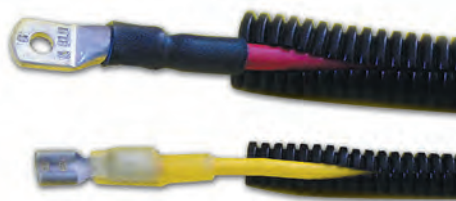
Loom & Tubing



Convoluted Tubing/Split Loom (Polyethylene) on Spools



Convoluted Tubing/Split Loom (Polyethylene) in Small Packaging



Convoluted Tubing/Split Loom (Polyethylene) – Applications

Convoluted Tubing/Split Loom (Polyethylene)

Black polyethylene Convoluted Tubing/Split Loom provides wire and cable assemblies with protection from heat and sunlight, water, snow, salt, vibration, wear, fraying or puncture. Split construction allows for easy wire insertion. Maximum temperature 93°C (200°F). Available in many packaging variations to suit all needs. Contact Techspan if you require other types of Convoluted Tubing/Split Loom, (Flame Retardant, etc).

Split Loom Installation Tools can be found on pages 123 or 126. Loom/Tubing Cutting Tools can be found on page 126.

Convoluted Tubing/Split Loom can be used for numerous applications as follows:

- Automotive
- Marine & Agricultural Equipment
- Truck and Trailer
- Electrical Panels
- Bus/R.V.
- Appliances/Electronics

Spools – (Rolled neatly onto Spools)

ID Size	50FT Spool	100FT Spool
1/4"		769870C
3/8"		769864C
1/2"		769865C
5/8"		769873C
3/4"		769866C
1"	769875L	

WHY CONVOLUTED TUBING/SPLIT LOOM ON SPOOLS?

"Keep Your Stock Rooms Neat!"
"Better To Display"
"Easier to Dispense"

Small Packaging – (Rolled neatly in bags)

ID Size	10FT Roll	50FT Roll	100FT Roll	250FT Roll
1/4"	669870	769870		769871
3/8"	669864	769864		769876
1/2"	669865	769865		769877
5/8"	669873	769873		769872
3/4"	669866	769866		769878
1"	669875	769875	*769889 *NEW	
1-1/4"		769874	769881	
1-1/2"		769879		
2"		769880		

Bulk Packaging – (Continuous Roll in a Box)

ID Size	Part#	Package Quantity	Packaging Type
1/4"	769870B	1 x 3200FT	Box
3/8"	769864B	1 x 1900FT	Box
7/16"	769882B	1 x 1500FT	Box
1/2"	769865B	1 x 1100FT	Box
5/8"	769873B	1 x 800FT	Box
3/4"	769866B	1 x 550FT	Box
1"	769875B	1 x 300FT	Box
1-1/4"	769881B	1 x 250FT	Box
1-1/2"	769879B	1 x 150FT	Box
2"	769880B	1 x 100FT	Box



Convoluted Tubing/Split Loom (Polyethylene) in a Bulk Box

Loom & Tubing

High Temperature Convoluted Tubing/ Split Loom (Nylon)

Nylon Convoluted Tubing/Split Loom has a temperature rating of 149°C (300°F) making it suitable for applications such as inside engine compartments, etc. Identified by its grey stripe.

Split Loom Installation Tools can be found below or on pages 123 or 126. Loom/ Tubing Cutting Tools can be found on page 126.

Small Packaging – (Rolled neatly in bags)

ID Size	50FT Roll	Package Type
1/4"	769901	Bag
3/8"	769902	Bag
1/2"	769903	Bag
5/8"	769904	Bag
3/4"	769905	Bag
1"	769906	Bag

Bulk Packaging – (Continuous Roll in a Box)

ID Size	Part#	Package Quantity	Packaging Type
1/4"	769901B	1 x 3200FT	Box
3/8"	769902B	1 x 1900FT	Box
1/2"	769903B	1 x 1100FT	Box
5/8"	769904B	1 x 800FT	Box
3/4"	769905B	1 x 550FT	Box
1"	769906B	1 x 300FT	Box
1-1/4"	769907B	1 x 250FT	Box
1-1/2"	769908B	1 x 150FT	Box
2"	769910B	1 x 100FT	Box



DID YOU KNOW?

High Temperature (Nylon) Convoluted Tubing/Split Loom is identified by having a grey stripe across the length of the tubing.

Nylon material allows for applications up to 149°C (300°F)



High Temperature Convoluted Tubing/Split Loom (Nylon)



High Temperature Convoluted Tubing/Split Loom (Nylon) in a Bulk Box

Convoluted Tubing/Split Loom Installation Tools

For quick & easy installation of Split Loom!

Size Range	Part#
1/4", 3/8"	769828
1/2", 5/8"	769829
3/4"	769830
1", 1-1/4"	769831
1-1/2", 2"	769832



Convoluted Tubing/Split Loom Installation Tools

Convoluted Tubing – Non-Split (Polyethylene)

Bulk Packaging – (Continuous Roll in a Box)

ID Size	Part#	Package Quantity	Packaging Type
1/4"	769850B	1 x 2500FT	Box
3/8"	769851B	1 x 1500FT	Box
1/2"	769852B	1 x 1000FT	Box
5/8"	769853B	1 x 700FT	Box
3/4"	769854B	1 x 450FT	Box
7/8"	769855B	1 x 400FT	Box
1"	769856B	1 x 250FT	Box
1-1/4"	769857B	1 x 200FT	Box



Convoluted Tubing – Non-Split (Polyethylene) in a Bulk Box

D

Loom & Tubing

Spiral Wrap (Heavy-Duty)

- Provides safe protection for cables, wires, hoses, tubing
- Protect against abrasion, chafing and cuts and also helps prevent tangling
- Made of frost and heat resistant HDPE (Heavy-Duty Polyethylene)
- This polyethylene is extruded, giving its final form smooth, rounded edges
- Temperature range:
-50°C to 80°C (-58°F to 176°F)
- Made with Anti-Static and UV Protection additives

- Tolerates acids, oils and solvents
- For bundling purposes, Heavy-Duty Spiral Wrap can be expanded to three times its ID.
- Withdraws during storage and transportation, as it will return to its original size when installed (good memory)
- Larger diameter sizes available
- Also available in other colours (Blue, Green, Orange, Red, White, Yellow)

**Easy
to work
with!**



Heavy-Duty
Spiral Wrap
(Applications)



Heavy-Duty Spiral
Wrap (Packaging)



UV Black

Nominal OD	(Ø) Actual OD	ID	(W) Wall Thickness	(P) Pitch	Min/Max Bundle Range	10FT/PK	12FT/PK	20FT/PK	25FT/PK	100FT/PK
1/2"	0.472"	12mm	0.40"	.05"	1.20mm	0.40"	10.5mm	Less than 0.625"		
5/8"	0.630"	16mm	0.50"	.05"	1.30mm	0.50"	12.0mm	0.500" to 0.688"		
3/4"	0.787"	20mm	0.65"	.08"	2.00mm	0.80"	20.0mm	0.688" to 0.875"		
1"	0.984"	25mm	0.80"	.09"	2.20mm	1.00"	25.0mm	0.875" to 1.125"		
1-1/4"	1.260"	32mm	1.10"	.10"	2.50mm	0.90"	22.0mm	1.125" to 1.375"		
1-1/2"	1.575"	40mm	1.40"	.11"	2.70mm	0.94"	24.0mm	1.375" to 1.625"		
2"	1.969"	50mm	1.70"	.13"	3.40mm	1.20"	30.0mm	1.625" to 2.375"		
2-1/2"	2.480"	63mm	2.20"	.15"	3.70mm	1.50"	37.0mm	2.375" to 2.625"		

Loom/Tubing Cutting Tools can be found on page 126

Loom & Tubing

Spiral Wrap (Heavy-Duty)

UV Yellow with Black Abrasion Indicator

(Even though the top (black) layer is only 0.5mm, abrasion of this spiral wrap is very minimal)

Nominal OD	(Ø) Actual OD	ID	(W) Wall Thickness	(P) Pitch	Min/Max Bundle Range	100FT/PK			
3/4"	0.787"	20mm	0.65"	.08"	2.00mm	0.80"	20.0mm	0.688" to 0.875"	769840
1"	0.984"	25mm	0.80"	.09"	2.20mm	1.00"	25.0mm	0.875" to 1.125"	769842
1-1/4"	1.260"	32mm	1.10"	.10"	2.50mm	0.90"	22.0mm	1.125" to 1.375"	769844
1-1/2"	1.575"	40mm	1.40"	.11"	2.70mm	0.94"	24.0mm	1.375" to 1.625"	769846
2"	1.969"	50mm	1.70"	.13"	3.40mm	1.20"	30.0mm	1.625" to 2.375"	769848
2-1/2"	2.480"	63mm	2.20"	.15"	3.70mm	1.50"	37.0mm	2.375" to 2.625"	769849

Loom/Tubing Cutting Tools can be found on page 126



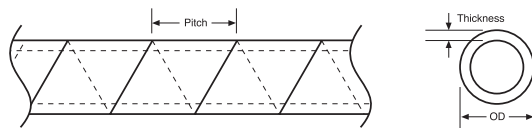
BEFORE

AFTER

Heavy-Duty Spiral Wrap (Yellow with Black 'Abrasion Indicator')

Spiral Wrap

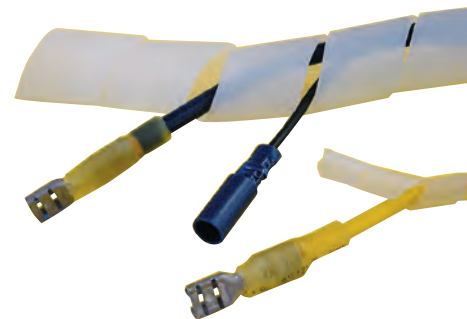
Spiral Wrap is a quick and easy way to protect bundles of wire. It also provides for an easy wire breakout. This spiral wrap is made of polyethylene and has a temperature rating of -43°C to 177°C (-45°F to 350°F). Stocked in UV Black & White, contact Techspan if other colours are required.



100FT Rolls

Nominal OD Size	(W) Wall Thickness	(P) Pitch	Min/Max Bundle Range	UV Black	White
1/8"	3.17mm 0.030"	0.300"	7.6mm 0.063" to 0.25"	1.60mm to 6.35mm	769810 769811
1/4"	6.35mm 0.040"	0.500"	12.7mm 0.188" to 2.00"	4.75mm to 50.80mm	769812 769813
3/8"	9.52mm 0.050"	0.550"	13.9mm 0.313" to 3.00"	7.95mm to 76.20mm	769814 769815
1/2"	12.70mm 0.050"	0.600"	15.2mm 0.375" to 4.00"	9.55mm to 101.60mm	769816 769817
5/8"	15.87mm 0.055"	0.650"	16.5mm 0.625" to 4.50"	15.87mm to 114.30mm	769818 769819
3/4"	19.05mm 0.062"	0.850"	21.6mm 0.750" to 5.00"	19.05mm to 127.00mm	769820 769822
1"	25.40mm 0.065"	1.500"	38.1mm 1.000" to 7.00"	25.40mm to 177.80mm	769808 769809

Loom/Tubing Cutting Tools can be found on page 126



Spiral Wrap Applications

Loom & Tubing Tools



Convoluted Tubing/Split Loom Installation Tools

Convoluted Tubing/Split Loom Installation Tools

For quick & easy installation of Split Loom!

Size Range	Part#
1/4", 3/8"	769828
1/2", 5/8"	769829
3/4"	769830
1", 1-1/4"	769831
1-1/2", 2"	769832

Tube and Loom Cutters

769826 Use For use on most automotive tubing and loom. Angle-edge blades provide a precise, burr-free cuts. 36mm maximum cut diameter. Approximate length: 8.66" (220mm)



769826

Tube/Loom Cutter

769824 Use on heavier wall tubing and loom. Precise, burr-free cuts! Approximate length: 8-1/4" (209.55mm)



769824

Heavy Duty Tube/Loom Cutter

Tapes

Wrap 'N' Seal Automotive Tape (Self-Fusing) – 22FT Roll

- Bonds without adhesive by stretching onto itself (thus forming a rubber covering)
- Self fusing for waterproofing and insulating electrical connections
- Suitable for use at not more than 600V as primary insulation and not more than 80°C (176°F)
- Strong and durable rubber construction allow this tape to thrive in tough conditions as a seal, protective covering
- UL Listed
- Also known as Rubber Splice Tape

**Non-sticky
to the touch!**



Colour	Dimensions (Length x Width x Thickness)	1 Roll	50 Rolls/Carton
Black	22FT x .750" x .030" (6.7m x 19mm x 0.76mm)	669972	669972B

By stretching and wrapping the tape on to itself, a sealed rubber covering is formed!



Simply stretch tape over damaged area and...

Wrap 'N' Seal Automotive Tape



Tape will create a sealed protective covering

Wrap 'N' Seal Automotive Tape (Self-Fusing) – 10FT Rolls

Self fusing tape is ideal for virtually any application that requires a water-proof seal and is an excellent insulator with high dielectric strength. Applications include: Marine connections, battery terminals, automotive hoses, colour coding, cable splices and tool grip enhancement. Dimensions (W x L): 1" x 10' (25.4mm x 3048mm). Thickness: 20 mil tapers down to 12 mil towards the edges

- Bonds without adhesive by stretching onto itself (thus forming a permanent bond that is both airtight and waterproof)
- Provides a moisture-tight seal
- Insulated to protect wires and splices
- Ideal for extreme temperature applications
- Temperature Range: -53°C to 260°C (-65°F to 500°F)
- Alternate to Heat Shrink Tubing
- Completely cures within 24 hours
- Resists UV, oil, and corrosive chemicals
- Stretches to 300%
- Insulated 8000 Volts per layer
- Meets or exceeds UL standard 510
- Meets MIL-I-46852C Type 2 Standard
- "How To" instructions found on packaging
- 24 VDC Max

**Non-sticky
to the touch!**



Colour	Dimensions	1 Roll
Black	1"W x 10' Long	669660
Red	1"W x 10' Long	669661

Tapes



PVC Electrical Tape

PVC Electrical Tape

- 600 Volt rating • Flame Retardant • Weather-Resistant
- Can be used as primary insulation at not more than 600 Volts
- Lead Free • Temperature rating: 0°C to 80°C (32°F to 176°F)
- Dimensions (Length x Width x Thickness):
18.3m x 19mm x .18mm (60' x 3/4" x .007")
- CSA Approved/UL Listed

Individual Colours

Colour	1 Roll	10 Rolls/Sleeve	100 Rolls/Carton	
Black	669999	769999	769999B	
Blue	669666	769666	769666B	
Brown	*669667	*769667	*769667B	*NEW
Green	669668	769668	769668B	
Grey	*669669	*769669	*769669B	*NEW
Red	669671	769671	769671B	
White	669672	769672	769672B	
Yellow	669673	769673	769673B	

Mixed Colours

769649 Sleeve of 6 Rolls, 1 of each colour (Black, Blue, Green, Red, White & Yellow)

769649B Same as **769649**, except 20 Sleeves (of 6 Rolls) per carton (120 Rolls Total)



Sleeve of 6 rolls mixed colours



Liquid Electrical Tape

Liquid Electrical Tape

- Forms a tough, flexible coating on metal, rubber and plastic to help waterproof connections
- Quick drying formula • Excellent for hard to tape places
- Absorbs vibrations which prevents terminal screws from loosening
- Stays clean and neat • Will not crack or unravel
- Can also be used as a thread locker or gasket sealer
- Applicator brush included
- Can be used in automotive, marine, heavy-duty, RV, industrial and electrical applications
- 118mL (4 fl. oz.) can

Colour	1 Can	12 Cans/Box
Black	769998	769998B

Tapes

PVC Cold Weather Electrical Tape (Arctic Splice)™

- 600 Volt rating • Flame Retardant • Weather-Resistant
- Can be used as primary insulation at not more than 600 Volts
- Lead-free • Temperature rating: -18°C to 105°C (0°F to 221°F)
- Easily applied at low temperatures • Highly elastic
- Dimensions (Length x Width x Thickness):
20m x 19mm x .18mm (66' x 3/4" x .007")
- CSA Approved/UL Listed

Colour	1 Roll	10 Rolls/Sleeve	100 Rolls/Carton
Black	669657	769657	769657B
'Ice' Blue	669653	769653	769653B



669657



669653

Great for
installations at
temperatures
as low as -18°C



769657



769653



WHY THE "ICE-BLUE" COLOUR?

- Installer/End User will know that Cold Weather Electrical Tape is being used

PVC Cold Weather Electrical Tape (Arctic Splice)™ – Countertop Displays

Black

Colour	Roll Part #	# of Rolls
Black	669657	50

Using P# 769651 will include 50 rolls of Black Electrical Tape as well as a shipping/display carton.

Mixed Colours

Colour	Roll Part #	# of Rolls
Black	669657	25
Ice-Blue	669653	25

Using P# 769650 will include 50 rolls of Electrical Tape (25 Black, 25 Ice-Blue) as well as a shipping/display carton.

Ice-Blue

Colour	Roll Part #	# of Rolls
Ice-Blue	669653	50

Using P# 769652 will include 50 rolls of Ice-Blue Electrical Tape as well as a shipping/display carton.



769651 Black Tape Display
(50 BLACK)



769650 Mixed Tape Display
(25 BLACK, 25 ICE-BLUE)



769652 Ice-Blue Tape Display
(50 ICE-BLUE)

Loom & Tubing Accessories (Clamps, Clips)

Vinyl Coated Steel Clamps

- Provides electrical insulation, vibration absorption, and protection of wire & cable, hydraulic hoses and loom/tubing from abrasion & shock
- Holds lines firmly in place
- **Insulation:** Clamps are dipped in PVC to provide excellent resistance to acids, moisture and salts.
- Contact Techspan if you require other sizes

D



Vinyl Coated Steel Clamps

Metal Width: 1/2" (12.7mm); Hole Diameter: 1/4"

ID Size	Actual Mounting Hole Diameter	Metal Thickness	10 PCS/PK	100 PCS/PK	500 PCS/PK
1/4" (6.4mm)	.268" (6.80mm)	0.8mm	766087	766087C	766087B
3/8" (9.5mm)	.268" (6.80mm)	0.8mm	766088	766088C	766088B
1/2" (12.7mm)	.268" (6.80mm)	0.8mm	766089	766089C	766089B
5/8" (15.9mm)	.268" (6.80mm)	0.8mm	766090	766090C	
3/4" (19.1mm)	.268" (6.80mm)	0.8mm	766091	766091C	766091B
1" (25.4mm)	.268" (6.80mm)	0.8mm	766092	766092C	
1-1/4" (31.8mm)	.268" (6.80mm)	0.8mm	766096	766096C	
1-1/2" (38.1mm)	.268" (6.80mm)	0.8mm	766093	766093C	
2" (50.8mm)	.268" (6.80mm)	0.8mm	766097	766097C	

Metal Width: 5/8" (15.9mm); Hole Diameter: 3/8"

ID Size	Actual Mounting Hole Diameter	Metal Thickness	10 PCS/PK	100 PCS/PK
1/4" (6.4mm)	.404" (10.25mm)	0.8mm	766058	766058C
3/8" (9.5mm)	.404" (10.25mm)	0.8mm	766074	766074C
1/2" (12.7mm)	.404" (10.25mm)	0.8mm	766059	766059C
5/8" (15.9mm)	.404" (10.25mm)	0.8mm	766075	766075C
3/4" (19.1mm)	.404" (10.25mm)	0.8mm	766060	766060C

Metal Width: 1" (25.4mm); Hole Diameter: 1/2"

ID Size	Actual Mounting Hole Diameter	Metal Thickness	10 PCS/PK	100 PCS/PK	500 PCS/PK
1" (25.4mm)	.531" (13.55mm)	1.1mm	766061	766061C	766061B



72-Hour Salt Spray Test

Why the change to Stainless Steel?

Material	Result
Zinc Electroplated Steel (previous version)	Subject to overall corrosion
Standard Grade Stainless Steel	Only minor corrosion on the edges
304-Grade Stainless Steel	No corrosion



Loom & Tubing Accessories (Clamps, Clips)

Rubber Insulated Steel Clamps

- Provides electrical insulation, vibration absorption, and protection of wire & cable, hydraulic hoses and loom from abrasion & shock
- Holds lines firmly in place
- Standard-Grade Stainless Steel for longer life
- Insulation:** Black Silicone Rubber is very flexible and provides superior heat resistance. Temperature range: -40°C to 150°C (-40°F to 302°F)
- Contact Techspan if you require other sizes

Metal Width: 1/2" (12.7mm); Hole Diameter: 1/4"

ID Size	Actual Mounting Hole Diameter	Metal Thickness	10 PCS/PK	100 PCS/PK	500 PCS/PK
1/4" (6.4mm)	.268" (6.80mm)	0.8mm	766321	766321C	766321B
3/8" (9.5mm)	.268" (6.80mm)	0.8mm	766322	766322C	766322B
1/2" (12.7mm)	.268" (6.80mm)	0.8mm	766323	766323C	766323B
5/8" (15.9mm)	.268" (6.80mm)	0.8mm	766324	766324C	
3/4" (19.1mm)	.268" (6.80mm)	0.8mm	766325	766325C	
7/8" (22.2mm)	.268" (6.80mm)	0.8mm	766326	766326C	
1" (25.4mm)	.268" (6.80mm)	0.8mm	766327	766327C	
1-1/8" (28.6mm)	.268" (6.80mm)	0.8mm	766328	766328C	
1-1/4" (31.8mm)	.268" (6.80mm)	0.8mm	766329	766329C	
1-1/2" (38.1mm)	.268" (6.80mm)	0.8mm	766347		
2" (50.8mm)	.268" (6.80mm)	0.8mm	766348		
3" (76.2mm)	.268" (6.80mm)	0.8mm	766346		



D

Metal Width: 5/8" (15.9mm); Hole Diameter: 3/8"

ID Size	Actual Mounting Hole Diameter	Metal Thickness	10 PCS/PK	100 PCS/PK
1/4" (6.4mm)	.404" (10.25mm)	0.8mm	766330	766330C
3/8" (9.5mm)	.404" (10.25mm)	0.8mm	766331	766331C
1/2" (12.7mm)	.404" (10.25mm)	0.8mm	766332	766332C
5/8" (15.9mm)	.404" (10.25mm)	0.8mm	766333	766333C
3/4" (19.1mm)	.404" (10.25mm)	0.8mm	766334	766334C
7/8" (22.2mm)	.404" (10.25mm)	0.8mm	766335	766335C
1" (25.4mm)	.404" (10.25mm)	0.8mm	766336	766336C
1-1/8" (28.6mm)	.404" (10.25mm)	0.8mm	766337	766337C
1-1/4" (31.8mm)	.404" (10.25mm)	0.8mm	766338	766338C
1-1/2" (38.1mm)	.404" (10.25mm)	0.8mm	766339	766339C
2" (50.8mm)	.404" (10.25mm)	0.8mm	766340	766340C
2-1/2" (63.5mm)	.404" (10.25mm)	0.8mm	766341	766341C
3" (76.2mm)	.404" (10.25mm)	0.8mm	766342	766342C



Rubber Insulated Steel Clamps

Rubber Insulated Stainless Steel Clamps

- Provides electrical insulation, vibration absorption, and protection of wire & cable, hydraulic hoses and loom from abrasion & shock
- Holds lines firmly in place
- 304-Grade Stainless Steel will not rust or corrode
- Insulation:** Black Silicone Rubber is very flexible and provides superior heat resistance. Temperature range: -40°C to 150°C (-40°F to 302°F)
- Contact Techspan if you require other sizes

Metal Width: 1/2" (12.7mm); Hole Diameter: 1/4"

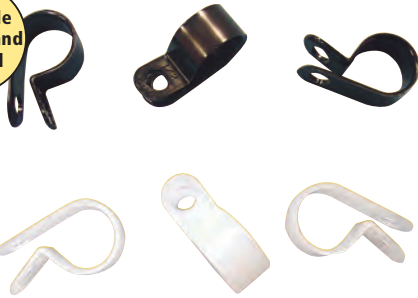
ID Size	Actual Mounting Hole Diameter	Metal Thickness	10 PCS/PK	100 PCS/PK
1/4" (6.4mm)	.268" (6.8mm)	0.8mm	766351	766351C
3/8" (9.5mm)	.268" (6.8mm)	0.8mm	766352	766352C
1/2" (12.7mm)	.268" (6.8mm)	0.8mm	766353	766353C
5/8" (15.9mm)	.268" (6.8mm)	0.8mm	766354	766354C
3/4" (19.1mm)	.268" (6.8mm)	0.8mm	766355	766355C
7/8" (22.2mm)	.268" (6.8mm)	0.8mm	766356	766356C
1" (25.4mm)	.268" (6.8mm)	0.8mm	766357	766357C
1-1/4" (31.8mm)	.268" (6.8mm)	0.8mm	766368	766368C
1-1/2" (38.1mm)	.268" (6.8mm)	0.8mm	766369	766369C
2" (50.8mm)	.268" (6.8mm)	1.0mm	766370	766370C



Rubber Insulated Stainless Steel Clamps

Loom & Tubing Accessories (Clamps, Clips)

Available
in Black and
Natural



Nylon Cable Clamps



Black Nylon Cable Clamps (Package Types)



Natural Nylon Cable Clamps (Package Types)



Nylon Push Mount Cable Clamps

Nylon Cable Clamps

Techspan's 6/6 Nylon Cable Clamps are non-conductive and resist corrosion, salt, gasoline, oil, grease and common solvents. These clamps come in black or natural and have a maximum temperature rating of 85°C (185°F).

Width: 3/8" (9.5mm); Colour: Black

ID Size	Actual Mounting Hole Diameter	10 PCS/PK	100 PCS/PK
3/16" (4.3mm)	#10 .205" (5.2mm)		767500C
1/4" (6.3mm)	#8 .189" (4.8mm)	667076	767076C
5/16" (7.6mm)	#8 .189" (4.8mm)	667053	767053C
3/8" (8.7mm)	#8 .189" (4.8mm)	667054	767054C

Width: 3/8" (9.5mm); Colour: Natural

ID Size	Actual Mounting Hole Diameter	10 PCS/PK	100 PCS/PK
3/16" (4.3mm)	#10 .205" (5.2mm)		766500C
1/4" (6.3mm)	#8 .189" (4.8mm)	666076	766076C
5/16" (7.6mm)	#8 .189" (4.8mm)	666053	766053C
3/8" (8.7mm)	#8 .189" (4.8mm)	666054	766054C

Width: 1/2" (12.5mm); Colour: Black

ID Size	Actual Mounting Hole Diameter	10 PCS/PK	100 PCS/PK
1/8" (3.2mm)	#10 .205" (5.2mm)		767046C
1/2" (12.6mm)	#8 .189" (4.8mm)	667047	767047C
5/8" (15.8mm)	#8 .189" (4.8mm)	667077	767077C
3/4" (19.4mm)	#8 .189" (4.8mm)	667078	767078C
1" (25.4mm)	#8 .189" (4.8mm)		767079C
1-1/4" (31.8mm)	#8 .189" (4.8mm)		767050C
1-1/2" (36.7mm)	#8 .189" (4.8mm)		767503C

Width: 1/2" (12.5mm); Colour: Natural

ID Size	Actual Mounting Hole Diameter	10 PCS/PK	100 PCS/PK
1/8" (3.2mm)	#10 .205" (5.2mm)		766046C
1/2" (12.6mm)	#8 .189" (4.8mm)	666047	766047C
5/8" (15.8mm)	#8 .189" (4.8mm)	666077	766077C
3/4" (19.4mm)	#8 .189" (4.8mm)	666078	766078C
1" (25.4mm)	#8 .189" (4.8mm)		766079C
1-1/8" (28.6mm)	#8 .189" (4.8mm)		766049C
1-1/4" (31.8mm)	#8 .189" (4.8mm)		766050C
1-1/2" (36.7mm)	#8 .189" (4.8mm)		766503C

Nylon Push Mount Cable Clamps

Quick and efficient installation. Base clip mounts in a .25" (6.4mm) hole. Suitable for chassis and panels .020" to .090" (.50mm to 2.3mm) thick.

ID Size	25 PCS/PK
1/4" (6.4mm)	766080

Loom & Tubing Accessories (Clamps, Clips)

Hose Separator Clamps

Non-corrosive material withstands temperature extremes and is resistant to impact. Clamps exhibit practical design for various applications.

ID Size	25 PCS/PK
3/8" x 3/8"	666094
1/2" x 1/2"	666095



Hose Separator Clamps

Snap-On Wire Clip

Bonderized chassis clip are 1-1/2" long x 1/2" wide (38.1mm x 12.7mm).

Panel Thickness Range	50 PCS/PK	100 PCS/PK
0 to 1/8" (0 to 3.2mm)		766057
1/4" to 3/8" (6.4mm to 9.5mm)	766056	



Snap-On Wire Clip

Conduit Clips

These one hole clips fasten conduit, tubing, hoses or cables. Available in both standard Zinc Plated Steel and Corrosion-resistant Stainless Steel.

Zinc Plated Steel

ID Size	Width	Mounting Hole Diameter	100 PCS/PK
.706"	.750"	.250"	766417
.922"	.875"	.250"	766419



Conduit Clip (Zinc Plated Steel & Stainless Steel)

Heat Shrink Tubing

Why use Heat Shrink Tubing?

Heat Shrink Tubing:

- Prolongs the life of cables, connectors and connections by sealing and protecting against corrosion, fuel, grease, oil, salt & road contaminants, water and other acids and chemicals
- Protects against abrasion by providing additional strain relief in connections. Long heavy-gauge cable can fail due to the stress caused by high and constant vibration
- Helps identify positive and negative polarity, as well as industry colour coding. Use black tubing on negative (–) connections and red tubing on positive (+) connections

General Terms

Term	Description
Expanded ID	The internal diameter of the tubing, as supplied (before heat is applied). Also referred to as Supplied ID
Shrunk ID	The internal diameter of the tubing, after its been fully shrunk. Also referred to as Recovered ID
4:1 Shrink Ratio	Tubing shrinks to approximately 1/4 of its Expanded/Supplied ID
3:1 Shrink Ratio	Tubing shrinks to approximately 1/3 of its Expanded/Supplied ID
2:1 Shrink Ratio	Tubing shrinks to approximately 1/2 of its Expanded/Supplied ID

E

Choosing Heat Shrink Tubing

	Dual Wall, Adhesive-Lined "Tech-Melt"	Dual Wall, Adhesive-Lined "Tech-Melt" – Diesel-Resistant	Dual Wall, Adhesive-Lined	Dual Wall, Semi-Rigid with Melttable Inner Wall	Dual Wall (Heavy-Wall), Adhesive-Lined	Single Wall
Shrink Ratio						
Type	Dual Wall	Dual Wall	Dual Wall	Dual Wall	Dual Wall	Single Wall
Material	Polyolefin	Polyolefin	Polyolefin	Polyolefin	Polyolefin	Polyolefin
Inner Wall	Adhesive-Lined	Adhesive-Lined	Adhesive Lined	Melttable	Adhesive-Lined	Polyolefin
Outer Wall	Semi-Rigid	Semi-Rigid	Flexible	Semi-Rigid	Heavy-Duty	Thin/Flexible
Water/Moisture Proof	Yes	Yes	Yes	Yes	Yes	No
Colours in Stock	Black	Black	Black, Red, Clear	Black	Black	Black, Blue, Clear, Green, Orange, Red, White, Yellow
Other Colours Available ¶	Clear	No	Blue, White, Yellow	No	Red	Striped
Operating Temperature	-40°C to +125°C	-40°C to +130°C	-45°C to +125°C	-55°C to +125°C	-55°C to +110°C	-45°C to +125°C
Minimum Shrink Temperature	120°C	125°C	120°C	110°C	120°C	120°C
Flame Retardant	Yes	Yes	Yes	Yes	Yes	Yes
Page #	135	135	136-138	139	139	142-145

Heat Shrink Tubing

Dual Wall (Adhesive-Lined) 'Tech-Melt' Heat Shrink Tubing

- 4:1 Shrink Ratio
- Made of adhesive-lined, cross-linked polyolefin that is flexible and easy to work with
- Seals and protects against water, moisture and chemicals
- Fits varying splice configurations and substrate profiles
- Excellent for coverage of irregularly shaped connectors and components
- Adhesive inner wall provides a superior environmental & moisture seal
- Will bond to PVC, XLPE and PP-EPDM cable jackets

- Provides added strain relief and sealing of terminals and connectors
- Shrinks rapidly for quick installation
- Environmental sealing of in-line splices
- Abrasion protection and electrical insulation for automotive wiring harness splices
- Operating temperature: -40°C to +125°C
- Minimum shrink temperature: 120°C
- Flame retardant
- Approved for all major Automotive OEM splice sealing specifications
- Universal coding marked on tubing for easy identification

4:1 SHRINK RATIO

- Formerly known as "Tech-Melt Heat Shrink"
- Sizes available:
– 0.236" to 0.708" (At expanded ID).
Sizes #1 – #4
- Colours available:
– Black (In stock)
– Clear (Non-stock, made to order).
Minimum order quantity will apply)
- Lengths available:
– 6" & 4FT lengths

Dual Wall (Adhesive-Lined) 'Tech-Melt' Heat Shrink Tubing – (Black)

Trade Size	Expanded ID	Recovered/Shrunk ID (Approx)	Use with Wire Size (Approx)	Length	Package Quantity	Package Type	Part#
#1	0.236"	0.055"	22-12GA	6"	14 pcs	Bag	669894
#1	0.236"	0.055"	22-12GA	6"	100 pcs	Bag	669894B
#1	0.236"	0.055"	22-12GA	4FT	25 pcs	Box	769894B
#2	0.315"	0.063"	18-8GA	6"	12 pcs	Bag	669895
#2	0.315"	0.063"	18-8GA	6"	100 pcs	Bag	669895B
#2	0.315"	0.063"	18-8GA	4FT	25 pcs	Box	769895B
#3	0.472"	0.098"	14-2GA	6"	10 pcs	Bag	669896
#3	0.472"	0.098"	14-2GA	4FT	20 pcs	Box	769896B
#4	0.708"	0.146"	1/0-2/0GA	6"	5 pcs	Bag	669897
#4	0.708"	0.146"	1/0-2/0GA	4FT	15 pcs	Box	769897B

Heating Tools can be found on pages 146-147



4:1 Heat Shrink Tubing

Dual Wall (Adhesive-Lined) 'Tech-Melt' Heat Shrink Tubing – Diesel-Resistant

4:1 SHRINK RATIO

- 4:1 Shrink Ratio
- Made of semi-rigid, cross-linked polyolefin for the most demanding applications
- Fits varying splice configurations and diameters
- Excellent for coverage of irregularly shaped connectors and components
- Environmentally seals and protects splices, terminals and connectors in Automotive, On-Highway/Off-Road heavy equipment applications
- Highly resistant to Diesel and other common automotive fluids and solvents

- Semi-rigid and mechanically tough outer wall provides added strain relief and excellent abrasion protection
- Thick adhesive inner wall forms an effective barrier against fluids and moisture protection
- Shrinks rapidly for quick installation
- Environmental sealing of in-line splices, connectors and terminals
- Electrical insulation for automotive wiring harness splices
- Operating temperature: -40°C to +130°C

- Minimum shrink temperature: 125°C
- Flame retardant
- Universal coding marked on tubing for easy identification
- Sizes available:
– 0.236" to 0.708" (At expanded ID).
Sizes #1 – #4
- Colours available:
– Black
- Lengths available:
– 4FT lengths

Dual Wall (Adhesive-Lined) 'Tech-Melt' Heat Shrink Tubing – Diesel-Resistant – (Black)

Trade Size	Expanded ID	Recovered/Shrunk ID (Approx)	Use with Wire Size (Approx)	Length	Package Quantity	Package Type	Part#
#1	0.236"	0.050"	22-12GA	4FT	25 pcs	Box	769680B
#2	0.315"	0.060"	18-8GA	4FT	25 pcs	Box	769681B
#3	0.472"	0.080"	14-2GA	4FT	20 pcs	Box	769682B
#4	0.710"	0.150"	1/0-2/0GA	4FT	15 pcs	Box	769683B

Heating Tools can be found on pages 146-147



4:1 Heat Shrink Tubing – Diesel-Resistant

E

Heat Shrink Tubing

Dual Wall (Adhesive-Lined) Heat Shrink Tubing

3:1 SHRINK RATIO



Dual Wall (Adhesive-Lined) Heat Shrink Tubing – 6" Lengths

- 3:1 shrink ratio
- Made of adhesive-lined, cross-linked polyolefin that is flexible and easy to work with
- Adhesive inner wall provides superior sealing against water, moisture and other contaminants
- Excellent for coverage of irregularly shaped connectors and components
- Will bond to plastics, rubber, neoprene, steel and polyethylene
- Provides added strain relief and sealing of terminals and connectors
- Electrical insulation of simple in-line splices
- Abrasion-resistant for tubes and pipes
- Can also be used to repair damaged wire harnesses
- Operating temperature: -45°C to +125°C
- Minimum shrink temperature: 120°C
- Flame retardant
- Formerly known as "Seal Wall Heat Shrink"

Dual Wall (Adhesive-Lined) Heat Shrink Tubing – (Black)

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	3/64"	22-18GA	6"	6 pcs	Bag	669900
1/8"	3/64"	22-18GA	6"	100 pcs	Bag	669900B
1/8"	3/64"	22-18GA	4FT	5 pcs	Box	769974
1/8"	3/64"	22-18GA	4FT	50 pcs	Box	769974B
1/8"	3/64"	22-18GA	10 metres	1 pc	Spool	769974RL
1/8"	3/64"	22-18GA	200 metres	1 pc	Spool	*769974MR
3/16"	1/16"	20-12GA	6"	6 pcs	Bag	669939
3/16"	1/16"	20-12GA	6"	100 pcs	Bag	669939B
3/16"	1/16"	20-12GA	4FT	5 pcs	Box	769976
3/16"	1/16"	20-12GA	4FT	50 pcs	Box	769976B
3/16"	1/16"	20-12GA	8 metres	1 pc	Spool	769976RL
3/16"	1/16"	20-12GA	100 metres	1 pc	Spool	*769976MR
1/4"	3/32"	16-10GA	6"	6 pcs	Bag	669940
1/4"	3/32"	16-10GA	6"	100 pcs	Bag	669940B
1/4"	3/32"	16-10GA	4FT	5 pcs	Box	769977
1/4"	3/32"	16-10GA	4FT	25 pcs	Box	769977B
1/4"	3/32"	16-10GA	3 metres	1 pc	Spool	769977RL
1/4"	3/32"	16-10GA	100 metres	1 pc	Spool	*769977MR
3/8"	1/8"	12-6GA	6"	6 pcs	Bag	669941
3/8"	1/8"	12-6GA	6"	100 pcs	Bag	669941B
3/8"	1/8"	12-6GA	4FT	5 pcs	Box	769978
3/8"	1/8"	12-6GA	4FT	25 pcs	Box	769978B
3/8"	1/8"	12-6GA	5 metres	1 pc	Spool	769978RL
3/8"	1/8"	12-6GA	50 metres	1 pc	Spool	*769978MR
1/2"	3/16"	8-2GA	6"	6 pcs	Bag	669942
1/2"	3/16"	8-2GA	6"	100 pcs	Bag	669942B
1/2"	3/16"	8-2GA	4FT	5 pcs	Box	769979
1/2"	3/16"	8-2GA	4FT	25 pcs	Box	769979B
1/2"	3/16"	8-2GA	4 metres	1 pc	Spool	769979RL
1/2"	3/16"	8-2GA	25 metres	1 pc	Spool	*769979MR
3/4"	1/4"	4-2/0GA	6"	6 pcs	Bag	669943
3/4"	1/4"	4-2/0GA	6"	100 pcs	Bag	669943B
3/4"	1/4"	4-2/0GA	4FT	5 pcs	Box	769980
3/4"	1/4"	4-2/0GA	4FT	10 pcs	Box	769980B
3/4"	1/4"	4-2/0GA	2.5 metres	1 pc	Spool	769980RL
3/4"	1/4"	4-2/0GA	25 metres	1 pc	Spool	*769980MR
1"	11/32"	2-4/0GA	6"	6 pcs	Bag	669944
1"	11/32"	2-4/0GA	6"	100 pcs	Bag	669944B
1"	11/32"	2-4/0GA	4FT	5 pcs	Box	769981
1"	11/32"	2-4/0GA	4FT	10 pcs	Box	769981B
1"	11/32"	2-4/0GA	2 metres	1 pc	Spool	769981RL
1-1/2"	17/32"	4/0GA-250MCM	4FT	5 pcs	Box	769989

Attached Tag Provides Specifications for Each Size. Only Available on 4ft Lengths (5 Pcs/Box).



Tag Front



Tag Back

E



Dual Wall (Adhesive-Lined) Heat Shrink Tubing – 4FT Lengths



Dual Wall (Adhesive-Lined) Heat Shrink Tubing – Spooled Rolls

Cutting off as much as you need from a continuous spool reduces wasted tubing

***NEW**



ARRIVING JULY, 2024

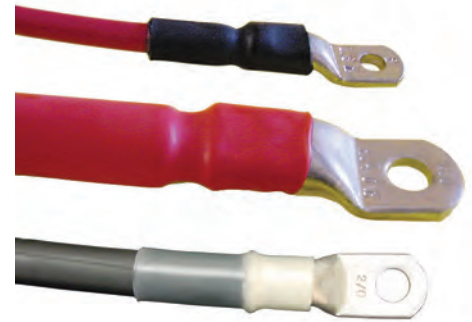
Dual Wall (Adhesive-Lined) Heat Shrink Tubing – Master Spool – 25 Metre to 200 Metre Length

Heat Shrink Tubing

Dual Wall (Adhesive-Lined) Heat Shrink Tubing (Continued)

- 3:1 shrink ratio
- Made of adhesive-lined, cross-linked polyolefin that is flexible and easy to work with
- Adhesive inner wall provides superior sealing against water, moisture and other contaminants
- Excellent for coverage of irregularly shaped connectors and components
- Will bond to plastics, rubber, neoprene, steel and polyethylene
- Provides added strain relief and sealing of terminals and connectors
- Electrical insulation of simple in-line splices
- Abrasion-resistant for tubes and pipes
- Can also be used to repair damaged wire harnesses
- Operating temperature: -45°C to +125°C
- Minimum shrink temperature: 120°C
- Flame retardant
- Formerly known as "Seal Wall Heat Shrink"
- Sizes available:
 - 1/8" to 1-1/2" (At expanded ID)
- Colours available:
 - Black, Clear, Red (In stock)
 - Blue, White, Yellow (Non-stock, made to order. Minimum order quantity will apply)
- Lengths available:
 - 6" & 4FT lengths. Spooled rolls come in a variety of lengths (determined by diameter)

3:1 SHRINK RATIO



Heat Shrink Applied to Battery Cable Assemblies

Dual Wall (Adhesive-Lined) Heat Shrink Tubing – (Red)

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	3/64"	22-18GA	6"	6 pcs	Bag	669971
1/8"	3/64"	22-18GA	6"	100 pcs	Bag	669971B
1/8"	3/64"	22-18GA	4FT	5 pcs	Box	769971
1/8"	3/64"	22-18GA	4FT	50 pcs	Box	769971B
1/8"	3/64"	22-18GA	10 metres	1 pc	Spool	769971RL
3/16"	1/16"	20-12GA	6"	6 pcs	Bag	669982
3/16"	1/16"	20-12GA	6"	100 pcs	Bag	669982B
3/16"	1/16"	20-12GA	4FT	5 pcs	Box	769982
3/16"	1/16"	20-12GA	4FT	50 pcs	Box	769982B
3/16"	1/16"	20-12GA	8 metres	1 pc	Spool	769982RL
1/4"	3/32"	16-10GA	6"	6 pcs	Bag	669983
1/4"	3/32"	16-10GA	6"	100 pcs	Bag	669983B
1/4"	3/32"	16-10GA	4FT	5 pcs	Box	769983
1/4"	3/32"	16-10GA	4FT	25 pcs	Box	769983B
1/4"	3/32"	16-10GA	3 metres	1 pc	Spool	769983RL
3/8"	1/8"	12-6GA	6"	6 pcs	Bag	669984
3/8"	1/8"	12-6GA	6"	100 pcs	Bag	669984B
3/8"	1/8"	12-6GA	4FT	5 pcs	Box	769988
3/8"	1/8"	12-6GA	4FT	25 pcs	Box	769988B
3/8"	1/8"	12-6GA	5 metres	1 pc	Spool	769988RL
1/2"	3/16"	8-2GA	6"	6 pcs	Bag	669985
1/2"	3/16"	8-2GA	6"	100 pcs	Bag	669985B
1/2"	3/16"	8-2GA	4FT	5 pcs	Box	769985
1/2"	3/16"	8-2GA	4FT	25 pcs	Box	769985B
1/2"	3/16"	8-2GA	4 metres	1 pc	Spool	769985RL
3/4"	1/4"	4-2/0GA	6"	6 pcs	Bag	669986
3/4"	1/4"	4-2/0GA	6"	100 pcs	Bag	669986B
3/4"	1/4"	4-2/0GA	4FT	5 pcs	Box	769986
3/4"	1/4"	4-2/0GA	4FT	10 pcs	Box	769986B
3/4"	1/4"	4-2/0GA	2.5 metres	1 pc	Spool	769986RL
1"	11/32"	2-4/0GA	6"	6 pcs	Bag	669987
1"	11/32"	2-4/0GA	6"	100 pcs	Bag	669987B
1"	11/32"	2-4/0GA	4FT	5 pcs	Box	769987
1"	11/32"	2-4/0GA	4FT	10 pcs	Box	769987B
1"	11/32"	2-4/0GA	2 metres	1 pc	Spool	769987RL
1-1/2"	17/32"	4/0GA-250MCM	4FT	5 pcs	Box	769658



Dual Wall (Adhesive-Lined) Heat Shrink Tubing – 6" Lengths



Dual Wall (Adhesive-Lined) Heat Shrink Tubing – 4FT Lengths



Dual Wall (Adhesive-Lined) Heat Shrink Tubing – Spooled Rolls

Heat Shrink Tubing

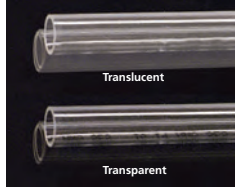
Dual Wall (Adhesive-Lined) Heat Shrink Tubing (Continued)



i "You Choose how Clear you want your Dual Wall (Adhesive-Lined) Heat Shrink Tubing!"

Why Use Clear Transparent Dual Wall (Adhesive-Lined) Heat Shrink?

- Provides optimal clarity for visual inspection
- Adhesive-lined, Dual Wall tubing ensures a waterproof seal
- Wire gauge is imprinted on the tubing to simplify size identification



- 3:1 shrink ratio
- Adhesive inner wall provides superior sealing against water, moisture and other contaminants
- Excellent for coverage of irregularly shaped connectors and components
- Will bond to plastics, rubber, neoprene, steel and polyethylene
- Provides added strain relief and sealing of terminals and connectors
- Electrical insulation of simple in-line splices
- Abrasion-resistant for tubes and pipes
- Can also be used to repair damaged wire harnesses
- Flame retardant

Dual Wall (Adhesive-Lined) Heat Shrink Tubing (Clear, Translucent)

- Made of adhesive-lined, cross-linked polyolefin that is flexible and easy to work with
- Operating temperature: -45°C to +125°C
- Minimum shrink temperature: 120°C

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#	
1/8"	3/64"	22-18GA	4FT	5 pcs	Box	769684	
1/8"	3/64"	22-18GA	4FT	50 pcs	Box	*769684B	*NEW
3/16"	1/16"	20-12GA	4FT	5 pcs	Box	769685	
3/16"	1/16"	20-12GA	4FT	50 pcs	Box	*769685B	*NEW
1/4"	3/32"	16-10GA	4FT	5 pcs	Box	769686	
1/4"	3/32"	16-10GA	4FT	25 pcs	Box	*769686B	*NEW
3/8"	1/8"	12-6GA	4FT	5 pcs	Box	769687	
3/8"	1/8"	12-6GA	4FT	25 pcs	Box	*769687B	*NEW
1/2"	3/16"	8-2GA	4FT	5 pcs	Box	769688	
1/2"	3/16"	8-2GA	4FT	25 pcs	Box	*769688B	*NEW
3/4"	1/4"	4-2/0GA	4FT	5 pcs	Box	769689	
3/4"	1/4"	4-2/0GA	4FT	10 pcs	Box	*769689B	*NEW
1"	11/32"	2-4/0GA	4FT	5 pcs	Box	769690	
1"	11/32"	2-4/0GA	4FT	10 pcs	Box	*769690B	*NEW
1-1/2"	17/32"	4/0GA-250MCM	4FT	5 pcs	Box	769659	

Heating Tools can be found on pages 146-147

Dual Wall (Adhesive-Lined) Heat Shrink Tubing (Clear, Transparent)

- Made of adhesive-lined, cross-linked ionic polymer
- Operating temperature: -55°C to +125°C
- Minimum shrink temperature: 90°C

Expanded ID	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
0.176"	0.045"	22-18GA	6"	6 pcs	Bag	669654
0.250"	0.080"	16-14GA	6"	6 pcs	Bag	669655
0.365"	0.100"	12-10GA	6"	6 pcs	Bag	669656

Heating Tools can be found on pages 146-147

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Dual Wall (Adhesive-Lined) Heat Shrink Tubing – 4FT Lengths



669654



669655



669656

Heat Shrink Tubing

Dual Wall (Semi-Rigid) Heat Shrink Tubing with Melttable Inner Wall

3:1 SHRINK RATIO

- 3:1 shrink ratio
- Made of semi-rigid cross-linked polyolefin whose outer wall provides excellent strain relief
- Thick, melttable inner wall ensures complete environmental protection
- Will bond to plastics, rubbers and metals
- Provides added strain relief and sealing of terminals and connectors
- Mechanical protection of wire leads
- Corrosion protection of high temperature components and brazed joints
- Operating temperature: -55°C to +125°C
- Minimum shrink temperature: 110°C
- Flame retardant

Dual Wall (Semi-Rigid) Heat Shrink Tubing with Melttable Inner Wall – (Black)

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	3/64"	22-18GA	6"	20 pcs	Bag	769900
1/8"	3/64"	22-18GA	4FT	5 pcs	Box	769931
1/8"	3/64"	22-18GA	4FT	50 pcs	Box	769931B
3/16"	1/16"	20-12GA	6"	20 pcs	Bag	769939
3/16"	1/16"	20-12GA	6"	500 pcs	Bag	769939B
3/16"	1/16"	20-12GA	4FT	5 pcs	Box	769933
3/16"	1/16"	20-12GA	4FT	50 pcs	Box	769933B
1/4"	3/32"	16-10GA	6"	20 pcs	Bag	769940
1/4"	3/32"	16-10GA	6"	500 pcs	Bag	769940B
1/4"	3/32"	16-10GA	4FT	25 pcs	Box	769934B
3/8"	1/8"	12-6GA	1.5"	6 pcs	Bag	769898
3/8"	1/8"	12-6GA	6"	20 pcs	Bag	769941
3/8"	1/8"	12-6GA	6"	500 pcs	Bag	769941B
3/8"	1/8"	12-6GA	4FT	25 pcs	Box	769935B
1/2"	3/16"	8-2GA	1.5"	6 pcs	Bag	769899
1/2"	3/16"	8-2GA	6"	20 pcs	Bag	769942
1/2"	3/16"	8-2GA	6"	500 pcs	Bag	769942B
1/2"	3/16"	8-2GA	4FT	25 pcs	Box	769936B
3/4"	1/4"	4-2/0GA	6"	10 pcs	Bag	769943
3/4"	1/4"	4-2/0GA	4FT	10 pcs	Box	769937B
1"	11/32"	2-4/0GA	6"	10 pcs	Bag	769944

Heating Tools can be found on pages 146-147



Dual Wall (Semi-Rigid) Heat Shrink Tubing – 6" Lengths



Dual Wall (Semi-Rigid) Heat Shrink Tubing – 4FT Lengths

Dual Wall (Adhesive-Lined) Heat Shrink Tubing – Heavy-Wall

3:1 SHRINK RATIO

- 3:1 shrink ratio
- Provides maximum reliability for insulating and sealing electrical connections and terminations, including direct burial, URD and submersible applications
- Provides excellent impact, abrasion, corrosion, and chemical resistance
- 600V Rated; 1KV, 90°C continuous use
- Thermoplastic adhesive liner provides excellent insulating and environmental sealing protection for splices, connections, jacket repairs and terminations
- Operating temperature: -55°C to +110°C
- Minimum shrink temperature: 120°C
- Flame retardant
- Formerly known as "Heavy-Wall Heat Shrink Tubing"
- Standards: UL 486D, CSA C22.2 # 198.2, ANSI C119-1, Western Underground Guide # 2.4 & 2.5, ICEA and NEMA insulation thickness requirements, DNV Type approval
- Sizes available:
 - 0.35" to 4.72" at expanded ID (In stock)
 - Larger ID sizes are available (Non-stock, made to order. Minimum order quantity will apply)

Dual Wall (Adhesive-Lined) Heat Shrink Tubing – Heavy-Wall – (Black)

Expanded ID	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Wall Thickness	Length	Pkg Qty	Pkg Type	Part#
0.35"	0.12"	14-10GA	0.070"	4FT	5 pcs	Box	769691
0.51"	0.16"	8-6GA	0.080"	4FT	5 pcs	Box	769692
0.75"	0.24"	6-2GA	0.120"	4FT	5 pcs	Box	769693
1.10"	0.35"	1-3/0GA	0.120"	4FT	5 pcs	Box	769694
1.50"	0.47"	2/0GA-350MCM	0.140"	4FT	2 pcs	Box	769695
2.00"	0.63"	250-350MCM	0.140"	4FT	2 pcs	Box	769696
2.70"	0.87"	600-1000MCM	0.150"	4FT	1 pc	Box	769697
3.54"	1.18"	800-1250MCM	0.150"	4FT	1 pc	Box	769698
4.72"	1.57"	1500-2500MCM	0.150"	4FT	1 pc	Box	769699

Heating Tools can be found on pages 146-147



Heavy Wall Heat Shrink Tubing

Heat Shrink Tubing



769001 147 pc Dual Wall (Adhesive-Lined) Heat Shrink Tubing 'Flip' Kit

Dual Wall (Adhesive-Lined) Heat Shrink Tubing Assortment – 'Flip' Kit

769001 This assortment contains 147 pieces of widely used 6" pieces Dual Wall (Adhesive-Lined) Heat Shrink Tubing (3:1 Shrink Ratio) in both black and red. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H . Plastic storage tray with carrying handle.

Kit Contents:

ID Size	Qty/Size	Consists of:	
		Black	Red
1/8"	30 pcs	24 pcs x 669900	6 pcs x 669971
3/16"	30 pcs	24 pcs x 669939	6 pcs x 669982
1/4"	30 pcs	24 pcs x 669940	6 pcs x 669983
3/8"	24 pcs	18 pcs x 669941	6 pcs x 669984
1/2"	15 pcs	12 pcs x 669942	3 pcs x 669985
3/4"	9 pcs	6 pcs x 669943	3 pcs x 669986
1"	9 pcs	6 pcs x 669944	3 pcs x 669987



769000 Dual Wall (Adhesive-Lined) Heat Shrink Tubing Assortment Kit in a Plastic Storage Tray

Dual Wall (Adhesive-Lined) Heat Shrink Tubing 'Mini Flip Kit' Assortment



769000 This handy assortment kit comes complete with 67 pieces of widely used Dual Wall (Adhesive-Lined) Heat Shrink Tubing (3:1 Shrink Ratio) in both black and red... all in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11"W x 6"L x 1"H

Kit Contents:

ID Size	Qty/Size	Consists of:	
		Black	Red
1/8"	12 pcs	12 pcs x 669900	
3/16"	24 pcs	18 pcs x 669939	6 pcs x 669982
1/4"	12 pcs	9 pcs x 669940	3 pcs x 669983
3/8"	9 pcs	6 pcs x 669941	3 pcs x 669984
1/2"	6 pcs	4 pcs x 669942	2 pcs x 669985
3/4"	4 pcs	2 pcs x 669943	2 pcs x 669986

Heat Shrink Tubing

Merchandising/Storing Unit for 4FT Heat Shrink Tubing

768190 With 10 slots, this merchandiser display will fit the 10 most common sizes of Dual Wall (Adhesive-Lined) Heat Shrink Tubing in both black and red. Each size and colour is stocked in their own box and is labeled for easy identification.
 Note: Slatwall backdrop display & signage shown in photo are not included.

Comes complete with the following:

Part#	Expanded Size	Use With Wire Size (Approx)	Quantity
BLACK			
769976B	3/16"	20-12GA	50 pcs
769977B	1/4"	16-10GA	25 pcs
769978B	3/8"	12-6GA	25 pcs
769979B	1/2"	8-2GA	25 pcs
769980B	3/4"	4-2/0GA	10 pcs
RED			
769982B	3/16"	20-12GA	50 pcs
769983B	1/4"	16-10GA	25 pcs
769988B	3/8"	12-6GA	25 pcs
769985B	1/2"	8-2GA	25 pcs
769986B	3/4"	4-2/0GA	10 pcs

3:1 SHRINK RATIO

A neat way to store, stock and display 4FT lengths of Heat Shrink Tubing



768190
4FT Heat Shrink Display/Storage Unit

P.O.P. Display for 4FT Heat Shrink Tubing

***768180** 18 Slots containing popular sized Dual Wall (Adhesive-Lined) Heat Shrink Tubing in Black, Clear and Red in 4FT lengths. 90 pieces in all, each piece is tagged for easy identification and barcoding. Techspan branded display box, decal and planogram included.
 Total dimensions are: 21.75"W x 17.5"D x 43.5"H (61" High with header)

Dual Wall (3:1 Adhesive-Lined) 4FT Heat Shrink

P.O.P. Display Contains:

Part#	Expanded Size	Use With Wire Size (Approx)	Quantity	Part#	Expanded Size	Use With Wire Size (Approx)	Quantity
BLACK				RED			
769976	3/16"	20-12GA	5 pcs	769982	3/16"	20-12GA	5 pcs
769977	1/4"	16-10GA	5 pcs	769983	1/4"	16-10GA	5 pcs
769978	3/8"	12-6GA	5 pcs	769988	3/8"	12-6GA	5 pcs
769979	1/2"	8-2GA	5 pcs	769985	1/2"	8-2GA	5 pcs
769980	3/4"	4-2/0GA	5 pcs	769986	3/4"	4-2/0GA	5 pcs
769981	1"	2-4/0GA	5 pcs	769987	1"	2-4/0GA	5 pcs
CLEAR							
769685	3/16"	20-12GA	5 pcs				
769686	1/4"	16-10GA	5 pcs				
769687	3/8"	12-6GA	5 pcs				
769688	1/2"	8-2GA	5 pcs				
769689	3/4"	4-2/0GA	5 pcs				
769690	1"	2-4/0GA	5 pcs				

***NEW**

3:1 SHRINK RATIO



***768180**

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Heat Shrink Tubing

Single Wall Heat Shrink

2:1 SHRINK RATIO

Single wall polyolefin has a shrink ratio of 2:1 and is very flexible. Typically used as a light-duty shrink-fit installation over cable splices and terminals. Operating temperature: -45°C to +125°C. Shrink temperature: 120°C. Available in 8 colours and several packaging configurations. Contact Techspan if you require lengths not shown.

Black Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
3/64"	3/128"	—	25FT	1 pc	Clam Spool	669901
1/16"	1/32"	—	25FT	1 pc	Clam Spool	669903
3/32"	3/64"	24-16GA	25FT	1 pc	Clam Spool	669905
1/8"	1/16"	18-14GA	6"	6 pcs	Bag	669960
1/8"	1/16"	18-14GA	4FT	1 pc	Bag	769960
1/8"	1/16"	18-14GA	4FT	50 pcs	Box	769960B
1/8"	1/16"	18-14GA	25FT	1 pc	Clam Spool	669907
1/8"	1/16"	18-14GA	100FT	1 pc	Spool	669946
1/8"	1/16"	18-14GA	100FT	1 pc	Large Spool	769364
1/8"	1/16"	18-14GA	100 metres	1 pc	Large Spool	769365
3/16"	3/32"	14-10GA	1.5"	500 pcs	Bag	769925
3/16"	3/32"	14-10GA	3"	20 pcs	Bag	769946
3/16"	3/32"	14-10GA	6"	6 pcs	Bag	669954
3/16"	3/32"	14-10GA	4FT	1 pc	Bag	769952
3/16"	3/32"	14-10GA	4FT	50 pcs	Box	769952B
3/16"	3/32"	14-10GA	25FT	1 pc	Clam Spool	669914
3/16"	3/32"	14-10GA	100FT	1 pc	Spool	669948
3/16"	3/32"	14-10GA	100FT	1 pc	Large Spool	769366
3/16"	3/32"	14-10GA	100 metres	1 pc	Large Spool	769367
1/4"	1/8"	12-8GA	1.5"	500 pcs	Bag	769926
1/4"	1/8"	12-8GA	3"	20 pcs	Bag	769947
1/4"	1/8"	12-8GA	6"	6 pcs	Bag	669955
1/4"	1/8"	12-8GA	4FT	1 pc	Bag	769953
1/4"	1/8"	12-8GA	4FT	25 pcs	Box	769953B
1/4"	1/8"	12-8GA	15FT	1 pc	Clam Spool	669921
1/4"	1/8"	12-8GA	75FT	1 pc	Spool	669950
1/4"	1/8"	12-8GA	100FT	1 pc	Large Spool	769368
1/4"	1/8"	12-8GA	100 metres	1 pc	Large Spool	769370
3/8"	3/16"	10-6GA	3"	20 pcs	Bag	769948
3/8"	3/16"	10-6GA	6"	6 pcs	Bag	669956
3/8"	3/16"	10-6GA	4FT	1 pc	Bag	769954
3/8"	3/16"	10-6GA	4FT	25 pcs	Box	769954B
3/8"	3/16"	10-6GA	10FT	1 pc	Clam Spool	669928
3/8"	3/16"	10-6GA	50FT	1 pc	Spool	669951
3/8"	3/16"	10-6GA	100FT	1 pc	Large Spool	769371
3/8"	3/16"	10-6GA	100 metres	1 pc	Large Spool	769372

Heating Tools can be found on pages 146-147



Single Wall Heat Shrink Tubing – 6" Lengths

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Single Wall Heat Shrink – 4 Foot Lengths



Single Wall Heat Shrink – Clam Spools



Single Wall Heat Shrink – Spools



Single Wall Heat Shrink – Large Spools

Heat Shrink Tubing

Single Wall Heat Shrink (Continued)



Black Single Wall Heat Shrink (Continued)

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/2"	1/4"	8-2GA	3"	20 pcs	Bag	769949
1/2"	1/4"	8-2GA	6"	6 pcs	Bag	669957
1/2"	1/4"	8-2GA	4FT	1 pc	Bag	769955
1/2"	1/4"	8-2GA	4FT	25 pcs	Box	769955B
1/2"	1/4"	8-2GA	10FT	1 pc	Clam Spool	669935
1/2"	1/4"	8-2GA	40FT	1 pc	Spool	669952
1/2"	1/4"	8-2GA	100FT	1 pc	Large Spool	769374
1/2"	1/4"	8-2GA	50 metres	1 pc	Large Spool	769377
3/4"	3/8"	1-2/0GA	3"	10 pcs	Bag	769950
3/4"	3/8"	1-2/0GA	6"	6 pcs	Bag	669958
3/4"	3/8"	1-2/0GA	4FT	1 pc	Bag	769956
3/4"	3/8"	1-2/0GA	4FT	10 pcs	Box	769956B
3/4"	3/8"	1-2/0GA	20FT	1 pc	Spool	669953
3/4"	3/8"	1-2/0GA	100FT	1 pc	Large Spool	769378
1"	1/2"	1/0-4/0GA	3"	10 pcs	Bag	769951
1"	1/2"	1/0-4/0GA	6"	6 pcs	Bag	669959
1"	1/2"	1/0-4/0GA	4FT	1 pc	Bag	769957
1"	1/2"	1/0-4/0GA	4FT	10 pcs	Box	769957B
1"	1/2"	1/0-4/0GA	10FT	1 pc	Spool	669945
1"	1/2"	1/0-4/0GA	50 metres	1 pc	Large Spool	769395
1-1/2"	3/4"	–	4FT	5 pcs	Box	769398
1-1/2"	3/4"	–	8FT	1 pc	Bag	669947
1-1/2"	3/4"	–	40 metres	1 pc	Large Spool	769396
2"	1"	–	6FT	1 pc	Bag	669949
2"	1"	–	100FT	1 pc	Large Spool	769397

Heating Tools can be found on pages 146-147



Single Wall Heat Shrink Tubing – 6" Lengths



Single Wall Heat Shrink–4 Foot Lengths



Single Wall Heat Shrink–Clam Spools



Single Wall Heat Shrink – Large Spools



Single Wall Heat Shrink–Spools

Heat Shrink Tubing

Single Wall Heat Shrink (Continued)



Single Wall Heat Shrink-Clam Spools

Blue Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrunk ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	1/16"	18-14GA	25FT	1 pc	Clam Spool	669911
3/16"	3/32"	14-10GA	25FT	1 pc	Clam Spool	669918
1/4"	1/8"	12-8GA	15FT	1 pc	Clam Spool	669925
3/8"	3/16"	10-6GA	10FT	1 pc	Clam Spool	669932
1/2"	1/4"	8-2GA	10FT	1 pc	Clam Spool	669890

Heating Tools can be found on pages 146-147

Clear Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrunk ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
3/64"	3/128"	—	25FT	1 pc	Clam Spool	669902
1/16"	1/32"	—	25FT	1 pc	Clam Spool	669904
3/32"	3/64"	24-16GA	25FT	1 pc	Clam Spool	669906
1/8"	1/16"	18-14GA	25FT	1 pc	Clam Spool	669912
3/16"	3/32"	14-10GA	25FT	1 pc	Clam Spool	669919
1/4"	1/8"	12-8GA	15FT	1 pc	Clam Spool	669926
3/8"	3/16"	10-6GA	10FT	1 pc	Clam Spool	669933
1/2"	1/4"	8-2GA	10FT	1 pc	Clam Spool	669892

Heating Tools can be found on pages 146-147

Green Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrunk ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	1/16"	18-14GA	25FT	1 pc	Clam Spool	669910
3/16"	3/32"	14-10GA	25FT	1 pc	Clam Spool	669917
1/4"	1/8"	12-8GA	15FT	1 pc	Clam Spool	669924
3/8"	3/16"	10-6GA	10FT	1 pc	Clam Spool	669931
1/2"	1/4"	8-2GA	10FT	1 pc	Clam Spool	669938

Heating Tools can be found on pages 146-147

Orange Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrunk ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
3/16"	3/32"	14-10GA	4FT	5 pcs	Box	769662
1/4"	1/8"	12-8GA	4FT	5 pcs	Box	769663
3/8"	3/16"	10-6GA	4FT	5 pcs	Box	769664
1/2"	1/4"	8-2GA	4FT	5 pcs	Box	769665

Heating Tools can be found on pages 146-147

Heat Shrink Tubing

Single Wall Heat Shrink (Continued)



Red Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	1/16"	18-14GA	4FT	50 pcs	Box	769961B
1/8"	1/16"	18-14GA	25FT	1 pc	Clam Spool	669908
3/16"	3/32"	14-10GA	4FT	50 pcs	Box	769967B
3/16"	3/32"	14-10GA	25FT	1 pc	Clam Spool	669915
1/4"	1/8"	12-8GA	4FT	25 pcs	Box	769968B
1/4"	1/8"	12-8GA	15FT	1 pc	Clam Spool	669922
3/8"	3/16"	10-6GA	4FT	25 pcs	Box	769969B
3/8"	3/16"	10-6GA	10FT	1 pc	Clam Spool	669929
1/2"	1/4"	8-2GA	4FT	25 pcs	Box	769970B
1/2"	1/4"	8-2GA	10FT	1 pc	Clam Spool	669936
3/4"	3/8"	1-2/0GA	4FT	10 pcs	Box	769972B
1"	1/2"	1/0-4/0GA	4FT	10 pcs	Box	769973B
1-1/2"	3/4"	—	4FT	5 pcs	Box	769399

Heating Tools can be found on pages 146-147



Single Wall Heat Shrink—4 Foot Lengths

White Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	1/16"	18-14GA	25FT	1 pc	Clam Spool	669913
3/16"	3/32"	14-10GA	25FT	1 pc	Clam Spool	669920
1/4"	1/8"	12-8GA	15FT	1 pc	Clam Spool	669927
3/8"	3/16"	10-6GA	10FT	1 pc	Clam Spool	669934
1/2"	1/4"	8-2GA	10FT	1 pc	Clam Spool	669893

Heating Tools can be found on pages 146-147

Yellow Single Wall Heat Shrink

Expanded ID (Trade Size)	Recovered/ Shrink ID (Approx)	Use with Wire Size (Approx)	Length	Pkg Qty	Pkg Type	Part#
1/8"	1/16"	18-14GA	25FT	1 pc	Clam Spool	669909
3/16"	3/32"	14-10GA	25FT	1 pc	Clam Spool	669916
1/4"	1/8"	12-8GA	15FT	1 pc	Clam Spool	669923
3/8"	3/16"	10-6GA	10FT	1 pc	Clam Spool	669930
1/2"	1/4"	8-2GA	10FT	1 pc	Clam Spool	669937

Heating Tools can be found on pages 146-147



Single Wall Heat Shrink—Clam Spools

E

Heating Devices for Heat Shrink Products



762102 Heat Torch – Compact 'Lighter'-Style

Heat Torch – Compact 'Lighter'-Style

- 762102 • Portable, compact, lightweight construction
- Self-igniting
- Waterproof automatic ignition
- Refillable 5mL see-through fuel tank
- Made with a Rubber Coated Handle for softer/easier grip
- Fuel Type: Butane
- Maximum Temperature: 1316°C (2400°F)
- Windproof flame is adjustable by using the simple twist flame adjustment and protective auto-flip cap
- Approximate operation time: 30 minutes (at mid-setting)
- Child-resistant ignition for safety (CPSC)
- Approximate dimensions (H x W): 2-3/4" x 1-1/2" (69.85mm x 38.10mm)

E



762099

Heat Torch – Self Standing

- 762099 • General purpose portable butane torch
- Ergonomic grip and stable base for hand-held or bench use
- Self-igniting
- Lock-on feature
- Waterproof electronic ignition
- Refillable 20mL fuel tank
- Maximum Temperature: 1300°C (2372°F)
- Adjustable Airflow and Flame Settings
- Windproof flame can be adjusted by sliding the tab to desired setting
- Approximate operation time: 80 minutes (at mid-setting)
- Child-resistant ignition for safety (CPSC)
- Approximate dimensions (H x W): 5-1/2" x 4" (139.70mm x 101.60mm)



762103 Heat Torch – Self Standing (Heavy-Duty)

Heat Torch – Self Standing (Heavy-Duty)

- 762103 • Portable butane torch with heavy-duty brass construction. Sturdy design
- Rubber grip and removable safety stand for hand-held or bench use
- Self-igniting
- Lock-on feature
- Waterproof electronic ignition
- Refillable 60mL fuel tank
- Maximum Temperature: 1300°C (2372°F)
- Adjustable Airflow and Flame Settings
- Windproof flame can be adjusted by turning dial to desired setting
- Approximate operation time: 220 minutes continuous use at mid-setting
- Approximate dimensions (H x W): 5-1/2" x 4" (146.05mm x 101.60mm)



Heating Devices for Heat Shrink Products

Heat Torch – Flameless

- 762101**
- Flameless feature makes this portable torch windproof and safe enough to use as a heating & drying device for heat shrink, packaging and other general uses
 - Removable heat deflector/baffle included
 - Self igniting
 - Lock-on feature
 - Waterproof ignition
 - Refillable fuel cell included
 - Fuel Type: Butane
 - Produces heat up to 650°C (1202°F)
 - Approximate operation time: 30 minutes (at mid-setting)
 - Approximate dimensions (H x W): 4-1/4" x 3" (107.95mm x 76.20mm)



762101 Heat Torch – Flameless

Heat Torch – Flameless (High Output)

- *762097**
- Portable butane torch with rapid heat-up for immediate use. Ready for use in 15 seconds.
 - Ergonomic design and cradle provided for easy use
 - Removable heat deflector/baffle included
 - Self-igniting
 - Lock-on feature
 - Waterproof electronic ignition. Long-life catalyst
 - Refillable 38ml fuel tank
 - Fuel type: Butane
 - Maximum Temperature: 750°C (1382°F)
 - Heat output can be adjusted by sliding the tab to desired setting
 - Approximate operation time: 120 minutes continuous use at mid-setting
 - Approximate dimensions (L x W): 7-1/2" x 1" (190.50mm x 25.40mm)



*762097 Heat Torch – Flameless (High Output)

Heat Gun – Flameless (2 Settings)

- 769888**
- Electrically powered Flameless Heat Gun is lightweight and easy to use (120 VAC)
 - 2 Heat settings:
High: 500°C (950°F) / Low: 300°C (575°F)
 - Lock-on Feature
 - 1300 Watts Max.
 - Ergonomically designed housing
 - Quick Heat up
 - Quiet Operation
 - 6FT Rubber Cord
 - Use with optional heat deflector/baffle (p# 769891 sold separately)
 - Approximate dimensions (L x W x H): 9.92" x 3.37" x 7.87"



Heat Deflector/Baffle Attachment for 769888

769891 Heat deflector/baffle for Heat Gun 769888.

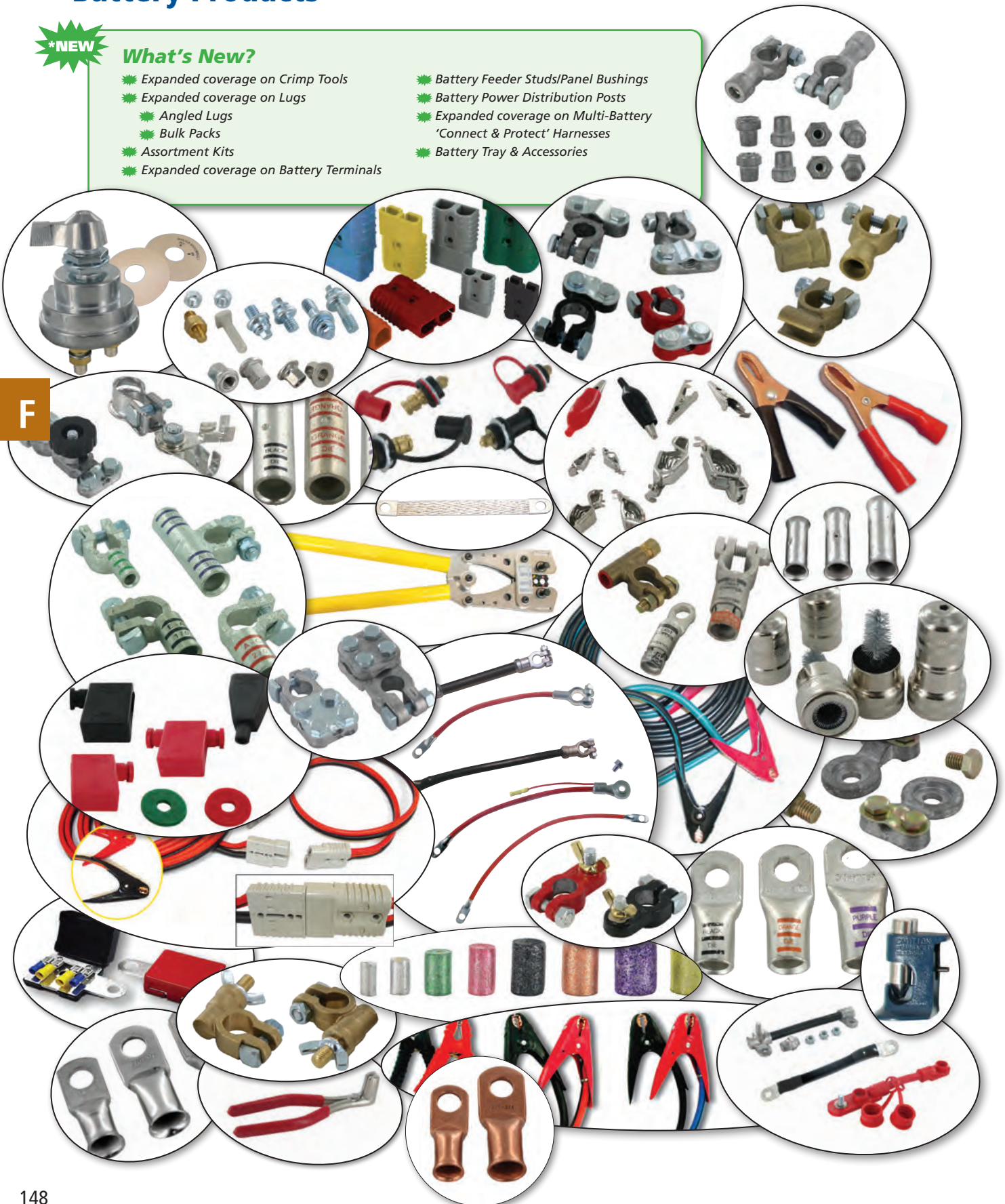
Battery Products

***NEW**

What's New?

- Expanded coverage on Crimp Tools
- Expanded coverage on Lugs
 - Angled Lugs
 - Bulk Packs
- Assortment Kits
- Expanded coverage on Battery Terminals
- Battery Feeder Studs/Panel Bushings
- Battery Power Distribution Posts
- Expanded coverage on Multi-Battery 'Connect & Protect' Harnesses
- Battery Tray & Accessories

F



Crimping Tools

Hammer/Vise Type Crimping Tools

Professional Series

761440 Crimps 16GA to 4/0GA lugs, splices, non-insulated terminals and solderless battery terminals. Operate with a hammer or vise. Approximate height: 3-3/4" (95.25mm)

K-Spec® Series

***NEW *561440** Crimps 16GA to 4/0GA lugs, splices, non-insulated terminals and solderless battery terminals. Operate with a hammer or vise. Approximate height: 4" (101.6mm)



761440 Hammer/Vise Type Crimping Tool



***561440** Hammer/Vise Type Crimping Tool

Large Terminals & Copper Lugs

762650 Crimps large non-insulated terminals and copper lugs. Extra long handles with ratchet action, this tool crimps wire sizes 12GA to 4GA Approximate length: 13-3/4" (349.25mm)



762650 Large Terminals & Copper Lugs

Large Lug Crimp Tool

762626 This tool crimps lead, brass and copper terminals from 6GA to 250 MCM. The three-sided die provides a perfect crimp every time. Approximate length: 24-3/4" (628.65mm)



762626 Large Lug Crimp Tool

Bench Mount Crimp Tool

762627 Same features as **762626** (above) but in a bench mount style. Approximate length: 22-1/2" (571.50mm)



762627 Bench Mount Crimp Tool

Premium 6-way Crimp Tool

762651 Crimps terminals and lugs to 6GA to 4/0GA using double compound action that effortlessly exerts maximum force for fast reliable crimps. Provides a '6-way' crimp. Rotating dies are built-in and accommodate all sizes of battery terminals, lugs and connectors thereby eliminating loss or the need to store individual dies. A handy chart is located near the crimp head to facilitate choosing of die setting correctly. Approximate length: 25-1/2" (647.70mm)

762654 Replacement Jaw for **762651**



762651 Premium Crimp Tool (6-Way)

Copper Lugs

Copper Lugs

- 100% pure copper for superior conductivity
- Unplated
- Flared ends for easy wire insertion
- Closed-type
- Crimpable/Solderable
- Use with crimping tools found on page 149
- Available in packs of 100, 20, 4 & 2
- Tubular Style



Straight (100 PCS/PK)

Stud/ Gauge	1/4"	5/16"	3/8"
6GA	*762548C	*762550C	*762549C
4GA	*762441C	*762443C	*762547C
2GA		*762444C	*762445C
1GA			*762545C
1/0GA			*762544C
2/0GA			*762541C

*NEW
*NEW
*NEW
*NEW
*NEW

Straight (20 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
8GA	762551	762638	762639	762640	
6GA		762548	762550	762549	762641
4GA	762442	762441	762443	762547	
2GA		762642	762444	762445	762229
1GA		762643		762545	762546
1/0GA				762544	762543
2/0GA				762541	762540
3/0GA				762542	762539
4/0GA				762538	762537

*NEW

Straight (4 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
8GA	662551	662638	662639	662640	-

Straight (2 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
6GA		662548	662550	662549	662641
4GA	662442	662441	662443	662547	
2GA		662642	662444	662445	662229
1GA		662643		662545	662546
1/0GA				662544	662543
2/0GA				662541	662540
3/0GA				662542	662539
4/0GA				662538	662537

*NEW



45° Angle (20 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
3/0GA	-	-	-	*762542-45	-

*NEW



90° Angle (20 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
3/0GA	-	-	-	*762542-90	-

*NEW



Copper Lugs (Unplated)



45° Angled Copper Lugs



90° Angled Copper Lugs



Looking for other sizes of Angled Copper Lugs? Contact us if you require these Lugs with a 45° or 90° bend. Minimum order will apply.



Copper Lugs

Copper Lugs in a Wall Mountable Display/Storage Panel

762400 300 Copper Lugs in a Wall Mount Display/Storage Panel

Description	Part#	Qty
6GA, 1/4"	762548	20 pcs
6GA, 5/16"	762550	20 pcs
6GA, 3/8"	762549	20 pcs
4GA, 1/4"	762441	20 pcs
4GA, 5/16"	762443	20 pcs
4GA, 3/8"	762547	20 pcs
2GA, 5/16"	762444	20 pcs
2GA, 3/8"	762445	20 pcs

Description	Part#	Qty
1GA, 3/8"	762545	20 pcs
1/0GA, 3/8"	762544	20 pcs
1/0GA, 1/2"	762543	20 pcs
2/0GA, 3/8"	762541	20 pcs
2/0GA, 1/2"	762540	20 pcs
3/0GA, 3/8"	762542	20 pcs
4/0GA, 3/8"	762538	20 pcs



762400 Copper Lugs in a Wall Mount Display/Storage Panel

763030 Wall Mountable Display/Storage Panel. Great for displaying/storing small electrical accessories. Dimensions: 22-1/2"W x 22"H. More information on **763030** can be found on page 320



763030 Wall Mountable Display/Storage Panel

Copper Lugs, Splices & Heat Shrink Tubing Assortment – 'Flip Kit'



***762297** This assortment contains 260 pieces of Straight Copper Lugs, Tin Plated Copper Splices and Dual Wall, Adhesive-Lined Heat Shrink Tubing (6" pieces) in both black and red. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

Kit Contents:

Copper Lugs

Description	Part#	Qty
6GA, 5/16"	762550	20 pcs
6GA, 3/8"	762549	20 pcs
4GA, 5/16"	762443	20 pcs
4GA, 3/8"	762547	20 pcs
2GA, 5/16"	762444	20 pcs
2GA, 3/8"	762445	20 pcs
1GA, 3/8"	762545	10 pcs
1GA, 1/2"	762546	10 pcs
1/0GA, 3/8"	762544	10 pcs
1/0GA, 1/2"	762543	10 pcs
2/0GA, 3/8"	762541	10 pcs
2/0GA, 1/2"	762540	10 pcs
3/0GA, 3/8"	762542	4 pcs
3/0GA, 1/2"	762539	4 pcs
4/0GA, 3/8"	762538	4 pcs
4/0GA, 1/2"	762537	4 pcs

Tin Plated Copper Butt Splices

Description	Part#	Qty
2GA	762582	10 pcs
1GA	762583	10 pcs
1/0GA	762584	10 pcs
2/0GA	762585	10 pcs

Dual Wall, Adhesive-Line Heat Shrink Tubing (6")

Description	Part#	Qty
1/2"ID Black (8-2GA)	669942	6 pcs
1/2"ID Red (8-2GA)	669985	6 pcs
3/4"ID Black (4-2/0GA)	669943	6 pcs
3/4"ID Red (4-2/0GA)	669986	6 pcs



***762297** Copper Lugs, Tin Plated Copper Splices & Heat Shrink Tubing Assortment Kit

Tin Plated Lugs & Splices

Tin Plated Copper Lugs

- 100% pure copper for superior conductivity
- Tin Plated for maximum corrosion prevention (Excellent for marine applications and longer life)
- Flared ends for easy wire insertion
- Closed-type
- Crimpable/Solderable
- Use with crimping tools found on page 149
- Available in packs of 20 & 2
- Tubular Style



Tin Plated Copper Lugs



90° Tin Plated Copper Lugs

Straight (20 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
8GA	762280	762281	762282	762283	
6GA	762200	762201	762202	762203	762204
4GA	762210	762211	762212	762213	762214
2GA		762220	762221	762222	762223
1GA		762230	762231	762232	762233
1/0GA		762240	762241	762242	762243
2/0GA		762250	762251	762252	762253
3/0GA		762263	762262	762260	762261
4/0GA		762273	762272	762270	762271

*NEW
*NEW

Straight (2 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
8GA	662280	662281	662282	662283	
6GA	662200	662201	662202	662203	662204
4GA	662210	662211	662212	662213	662214
2GA		662220	662221	662222	662223
1GA		662230	662231	662232	662233
1/0GA		662240	662241	662242	662243
2/0GA		662250	662251	662252	662253
3/0GA		662263	662262	662260	662261
4/0GA		662273	662272	662270	662271

*NEW
*NEW

90° Angle (20 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"
1/0GA	—	—	—	*762242-90	—
2/0GA	—	—	—	—	—
3/0GA	—	—	—	—	*762261-90
4/0GA	—	*762273-90	—	—	—

*NEW
*NEW
*NEW



Looking for other sizes of Angled Tin Plated Copper Lugs? Contact us if you require these Lugs with a 45° or 90° bend. Minimum order will apply.



Tin Plated Copper Butt Splices

- 100% pure copper for superior conductivity
- Tin Plated for maximum corrosion prevention (Excellent for marine applications and longer life)
- Flared ends for easy wire insertion
- Closed-type
- Crimpable/Solderable
- Use with crimping tools found on page 149
- Available in packs of 20 & 2
- Tubular Style



Tin Plated Copper Butt Splices

Gauge	20 PCS/PK	2 PCS/PK
8GA	762579	662579
6GA	762580	662580
4GA	762581	662581
2GA	762582	662582
1GA	762583	662583
1/0GA	762584	662584
2/0GA	762585	662585
3/0GA	762586	662586
4/0GA	762587	662587

Tin Plated Lugs & Splices

Tin Plated Lugs in a Wall Mountable Display/Storage Panel

762299 300 Tin Plated Copper Lugs in a Wall Mount Display/Storage Panel

Description	Part#	Qty
6GA, 1/4"	762201	20 pcs
6GA, 5/16"	762202	20 pcs
6GA, 3/8"	762203	20 pcs
4GA, 1/4"	762211	20 pcs
4GA, 5/16"	762212	20 pcs
4GA, 3/8"	762213	20 pcs
2GA, 1/4"	762220	20 pcs
2GA, 5/16"	762221	20 pcs
2GA, 3/8"	762222	20 pcs

Description	Part#	Qty
1GA, 1/4"	762230	20 pcs
1GA, 5/16"	762231	20 pcs
1GA, 3/8"	762232	20 pcs
1/0GA, 5/16"	762241	20 pcs
1/0GA, 3/8"	762242	20 pcs
2/0GA, 3/8"	762252	20 pcs



763030 Wall Mountable Display/Storage Panel. Great for displaying/storing small electrical accessories. Dimensions: 22-1/2"W x 22"H. More information on **763030** can be found on page 320



762299 Tin Plated Copper Lugs in a Wall Mount Display/Storage Panel

763030 Wall Mountable Display/Storage Panel

Tin Plated Copper Lugs, Splices & Heat Shrink Tubing Assortment – 'Flip Kit'

***762298** This assortment contains 260 pieces of Tin Plated Straight Copper Lugs, Tin Plated Copper Splices and Dual Wall, Adhesive-Lined Heat Shrink Tubing (6" pieces) in both black and red. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.



Kit Contents:

Copper Lugs

Description	Part#	Qty
6GA, 5/16"	762202	20 pcs
6GA, 3/8"	762203	20 pcs
4GA, 5/16"	762212	20 pcs
4GA, 3/8"	762213	20 pcs
2GA, 5/16"	762221	20 pcs
2GA, 3/8"	762222	20 pcs
1GA, 3/8"	762232	10 pcs
1GA, 1/2"	762233	10 pcs
1/0GA, 3/8"	762242	10 pcs
1/0GA, 1/2"	762243	10 pcs
2/0GA, 3/8"	762252	10 pcs
2/0GA, 1/2"	762253	10 pcs
3/0GA, 3/8"	762260	4 pcs
3/0GA, 1/2"	762261	4 pcs
4/0GA, 3/8"	762270	4 pcs
4/0GA, 1/2"	762271	4 pcs

Tin Plated Copper Butt Splices

Description	Part#	Qty
2GA	762582	10 pcs
1GA	762583	10 pcs
1/0GA	762584	10 pcs
2/0GA	762585	10 pcs

Dual Wall, Adhesive-Line Heat Shrink Tubing (6")

Description	Part#	Qty
1/2" ID Black (8-2GA)	669942	6 pcs
1/2" ID Red (8-2GA)	669985	6 pcs
3/4" ID Black (4-2/0GA)	669943	6 pcs
3/4" ID Red (4-2/0GA)	669986	6 pcs



***762298** Tin Plated Copper Lugs, Splices & Heat Shrink Tubing Assortment Kit

'Hefty' Tin Plated Lugs & Splices

'Hefty' Tin Plated Copper Lugs

- Made of pure electrolytic copper for superior conductivity
- Tin Plated for maximum corrosion prevention (Excellent for marine applications and longer life)
- Universal colour coding makes matching crimping dies easier

- Closed-type
- Crimpable/Solderable
- Use with crimping tools found on page 149
- Tubular Style

Contains over
2x the copper
weight as
regular lugs



Straight (25 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"	1/2"	Colour Code
6GA	762301	762302	762303	762304		Blue
4GA	762311	762312	762313	762314	762315	Grey
2-1GA		762320	762321	762322	762323	Pink
1/0GA		762330	762331	762332	762333	Black
2/0GA		762340	762341	762342	762343	Orange
3/0GA				762350	762351	Purple
4/0GA				762360	762361	Yellow



***NEW**

90° Angle (25 PCS/PK)

Stud/ Gauge	#10	1/4"	5/16"	3/8"
2/0GA	—	—	—	*762342-90

***NEW**



'Hefty' Tin Plated Copper Lugs (Straight)

90° 'Hefty' Tin Plated Copper Lugs

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Looking for other sizes of 'Hefty' Angled Tin Plated Copper Lugs? Contact us if you require these Lugs with a 45° or 90° bend. Minimum order will apply.



'Hefty' Tin Plated Copper Butt Splices

- Made of pure electrolytic copper for superior conductivity
- Contains over twice the copper weight as regular lugs
- Tin Plated for maximum corrosion prevention (Excellent for marine applications and longer life)
- Universal colour coding makes matching crimping dies easier

- Closed-type
- Crimpable/Solderable
- Use with crimping tools found on page 149
- Tubular Style

Contains over
2x the copper
weight as
regular lugs



Gauge	25 PCS/PK	Colour Code
6GA	762380	Blue
4GA	762381	Grey
2-1GA	762382	Pink
1/0GA	762383	Black
2/0GA	762384	Orange
3/0GA	762385	Purple
4/0GA	762386	Yellow

'Hefty' Tin Plated Copper Butt Splices

'Hefty' Tin Plated Lugs & Splices

'Hefty' Tin Plated Lugs in a Wall Mountable Display/Storage Panel

762300 375 'Hefty' Tin Copper Lugs in a Wall Mount Display/Storage Panel

Description	Part#	Qty
6GA, 1/4"	762302	25 pcs
6GA, 3/8"	762304	25 pcs
4GA, 1/4"	762312	25 pcs
4GA, 5/16"	762313	25 pcs
4GA, 3/8"	762314	25 pcs
2-1GA, 1/4"	762320	25 pcs
2-1GA, 5/16"	762321	25 pcs
2-1GA, 3/8"	762322	25 pcs

Description	Part#	Qty
1/0GA, 1/4"	762330	25 pcs
1/0GA, 3/8"	762332	25 pcs
1/0GA, 1/2"	762333	25 pcs
2/0GA, 1/4"	762340	25 pcs
2/0GA, 3/8"	762342	25 pcs
2/0GA, 1/2"	762343	25 pcs
3/0GA, 3/8"	762350	25 pcs



762300 'Hefty' Tin Plated Copper Lugs in a Wall Mount Display/Storage Panel

763030 Wall Mountable Display/Storage Panel. Great for displaying/storing small electrical accessories. Dimensions: 22-1/2"W x 22"H. More information on **763030** can be found on page 320



763030 Wall Mountable Display/Storage Panel

Battery Terminals

Crimpable/Solderable Battery Terminals

- Made of 100% pure copper for superior conductivity
- Tin plated for maximum corrosion prevention
- Extended barrel provides a better connection
- Colour & die coded to meet general crimp settings
- Crimpable/Solderable
- Use with crimp tools found on page 149
- For additional protection against corrosion, heat shrink tubing (pages 134-145) should be used after crimping
- Available in packages of 10 or individually



Crimpable/Solderable Battery Terminals
(Closed, Straight Barrel)

Straight Barrel (Closed) – 10 PCS/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
6GA	Grey			762503
4GA	Green	762498	762497	762504
2-1GA	Pink	762505	762506	762499
1/0GA	Black	762507	762508	
2/0GA	Orange	762509	762510	
3/0GA	Purple	762512	762511	
4/0GA	Yellow	762514	762513	



Straight Barrel (Closed) – 1 PC/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
6GA	Grey			*662503
4GA	Green	*662498	*662497	*662504
2-1GA	Pink	*662505	*662506	*662499
1/0GA	Black	*662507	*662508	
2/0GA	Orange	*662509	*662510	
3/0GA	Purple	*662512	*662511	
4/0GA	Yellow	*662514	*662513	



Crimpable/Solderable Battery Terminals
(Closed, Flag-Style Barrel)

Flag Style Barrel (Closed) – 10 PCS/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
1/0GA	Black	762520	762519	
2/0GA	Orange	762524	762523	
3/0GA	Purple	762526	762525	
4/0GA	Yellow	762522	762521	



Flag Style Barrel (Closed) – 1 PC/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
1/0GA	Black	*662520	*662519	
2/0GA	Orange	*662524	*662523	
3/0GA	Purple	*662526	*662525	
4/0GA	Yellow	*662522	*662521	

Battery Terminals

Crimpable/Solderable Battery Terminals

Right Elbow (Closed) – 10 PCS/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
2-1GA	Pink			762496
1/0GA	Black	762492	762491	
2/0GA	Orange	762494	762493	
3/0GA	Purple	762516	762515	
4/0GA	Yellow	762518	762517	



Crimpable/Solderable Battery Terminals
(Closed, Right Elbow)

Right Elbow (Closed) – 1 PC/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
2-1GA	Pink			*662496
1/0GA	Black	*662492	*662491	
2/0GA	Orange	*662494	*662493	
3/0GA	Purple	*662516	*662515	
4/0GA	Yellow	*662518	*662517	



F

Left Elbow (Closed) – 10 PCS/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
2-1GA	Pink			762495
1/0GA	Black	762484	762502	
2/0GA	Orange	762486	762485	
3/0GA	Purple	762488	762487	
4/0GA	Yellow	762490	762489	



Crimpable/Solderable Battery Terminals
(Closed, Left Elbow)

Left Elbow (Closed) – 1 PC/PK

GA Size	Colour	Positive (3/8") Stud	Negative (5/16") Stud	Universal (5/16") Stud
2-1GA	Pink			*662495
1/0GA	Black	*662484	*662502	
2/0GA	Orange	*662486	*662485	
3/0GA	Purple	*662488	*662487	
4/0GA	Yellow	*662490	*662489	



Battery Terminals

Solderable Battery Terminals

- Brass • Solderable • Fasteners included



Solderable Battery Terminals (Brass) – Split Barrel

Split Barrel

GA Size	Polarity	10 PCS/PK
2 – 1GA	Universal	762575
1/0 – 2/0GA	Negative	762571
1/0 – 2/0GA	Universal	762560
3/0 – 4/0GA	Negative	762572

Battery Terminal Solder Slugs

Techspan's battery terminal slugs are pre-measured pieces of solder that have been sized to provide the correct amount of solder for each size of battery terminal connector. They are available in 8 sizes ranging from 6GA to 4/0GA, and are colour-coded to coincide with industry coding. The slugs provide a simple and cost efficient way to achieve a perfect termination.



Battery Terminal Solder Slugs

Gauge	Colour	*NEW *5 PCS/PK	25 PCS/PK	*NEW 100 PCS/PK
6GA	Grey	662635	762635	*762635C
4GA	Grey	662628	762628	
2GA	Green	662629	762629	
1GA	Pink	662630	762630	
1/0GA	Black	662631	762631	
2/0GA	Orange	662632	762632	
3/0GA	Purple	662633	762633	
4/0GA	Yellow	662634	762634	

Solder Slugs' – Mini Flip Kits

***NEW**

These handy assortment kits contain popular sized Solder Slugs (6 sizes in all) in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 11" W x 6" L x 1" H



*762652 Solder Slug (6-2/0GA) Assortment Kit



*762653 Solder Slug (2-4/0GA) Assortment Kit

***762652** Contains 200 Solder Slugs (6-2/0GA), as follows:

Gauge	Colour	Part#	Qty
6GA	Grey	*762635	50 pcs
4GA	Grey	*762628	50 pcs
2GA	Green	*762629	25 pcs
1GA	Pink	*762630	25 pcs
1/0GA	Black	*762631	25 pcs
2/0GA	Orange	*762632	25 pcs

***762653** Contains 150 Solder Slugs (2-4/0GA), as follows:

Gauge	Colour	Part#	Qty
2GA	Green	*762629	25 pcs
1GA	Pink	*762630	25 pcs
1/0GA	Black	*762631	25 pcs
2/0GA	Orange	*762632	25 pcs
3/0GA	Purple	*762633	25 pcs
4/0GA	Yellow	*762634	25 pcs

Battery Terminals

'Wing-Nut' Battery Terminals

- Converts battery post to stud connector
- Available in Lead & Epoxy coated Lead
- Also known as Marine Battery Terminals
- Clamp-type Wing Nut
- Fasteners included



Lead

Polarity/Description	10 PCS/PK	*50 PCS/PK
Positive (3/8") Stud	762559	762559L
Negative (5/16") Stud	762558	762558L
Universal (5/16") Stud	762557	

762564 Set of 1 Pair: 1 Positive (3/8" Stud) & 1 Negative (5/16" Stud)



'Wing-Nut' Battery Terminals (Lead)

Lead, Epoxy Coated



Polarity/Description	10 PCS/PK
Positive (3/8") Stud; Red	*762693
Negative (5/16") Stud, Black	*762692

***762531** Set of 1 Pair: 1 Red/Positive (3/8" Stud) & 1 Black/Negative (5/16" Stud).

Epoxy Coating helps with Polarity identification and provides resistance to corrosion



'Wing-Nut' Battery Terminals (Lead, Epoxy Coated)

Stud-Type, Elbow (90°) Battery Terminals

- Brass
- Left or Right
- 3/8" x 3/4" Long with Hex Nut
- Fasteners included

Polarity/Description	10 PCS/PK
Negative (5/16") Stud	762527



762527

Stud-Type Elbow (90°) Battery Terminals – Brass

Battery Terminals



692529/762529
 Top Post Battery Terminals (Brass)



692620/762620



692591/762591



692617
 Top Post Battery Terminals (Lead)



Top Post Battery Terminals (3-Way)

Top Post Battery Terminals

- Solderless • Fasteners included • Removable plate makes wire insertion easier

Brass

GA Size	Polarity/Description	1 Pair (2 PCS/PK)	10 PCS/PK
6 – 2/0GA	Universal	692529	762529

Lead

GA Size	Polarity/Description	1 Pair (2 PCS/PK)	10 PCS/PK	100 PCS/PK
6 – 2/0GA	Universal	692620	762620	762620C
2 – 4/0GA	Universal	692591	762591	762591C

692617 Fits 6-2/0GA. Set of 1 Pair (Universal): 1 Red & 1 Black. Epoxy coating helps with polarity identification & resistance to corrosion

762552 10 x 762620, (6GA to 2/0GA) Lead Battery Terminals (Universal) on a display card



762552 Lead Battery Terminals (Universal) on a display card

Top Post Battery Terminals (3-Way)

- Solderless • Fasteners included • Removable plate makes wire insertion easier

Lead (Light/Medium Duty)

GA Size	Polarity/Description	10 PCS/PK
6-1GA	Positive	762555
6-1GA	Negative	762556

762568 Set of 1 Pair: 1 Positive & 1 Negative

Lead (Heavy Duty)

GA Size	Polarity/Description	10 PCS/PK
2-4/0GA	Positive	762644
2-4/0GA	Negative	762645

762637 Set of 1 Pair: 1 Positive & 1 Negative

Battery Terminals

Top Post Battery Terminals (Quick Disconnect)

- Solderless • Fasteners included • Removable plate makes wire insertion easier
- Cable easily detaches from the battery for protection against theft and battery drain

Lead

GA Size	Polarity	1 PC/PK	10 PCS/PK
6-1GA	Universal	692578	762578



692578/762578

Top Post Battery Terminal (Quick Disconnect)

Top Post Battery Terminals (Straight/Angled Hook Up)

- Nickel Plated Brass • Allows for straight or angled hook-up to cable

Battery Terminal Only

GA Size	Polarity	1 PC/PK	10 PCS/PK
6-4GA	Universal (5/16") Stud	692573	762573



692573/762573

Battery Terminal + 2 Lugs with 5/16" Stud Size

GA Size	Polarity	1 SET/PK	10 SETS/PK
6-4GA	Universal (5/16") Stud	692574	762574



692574/762574

Side Post Battery Terminals

- Solderless • Fasteners included • Removable plate makes wire insertion easier

Lead

GA Size	Polarity/Description	1 Pair (2 PCS/PK)
6 – 2/0GA	Universal (5/16") Stud	762588



762588

Side Post Battery Terminals (Lead)

Battery Terminals



762596

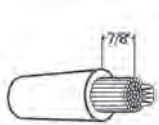
Compression Style Battery Terminals (Top Post)

Made with tin-plated copper, compression style battery terminals offer trouble-free terminations and quick, reliable assembly with a few simple tools. These terminals come complete with its designated compression nut and fastener.

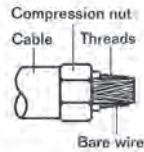
GA Size	Description	Polarity	20 PCS/PK
2/0GA	Straight	Universal	762596

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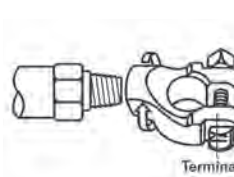
Easy Installation Instructions:



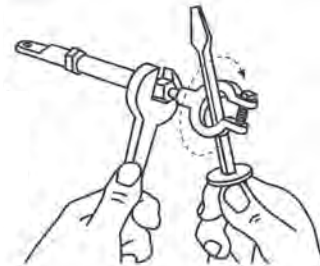
1 Strip 7/8" of insulation from end of cable.



2 Using the proper size compression nut to match the cable size, insert the stripped wire in the compression nut until it seats. The copper wire should be flush with, or extend slightly beyond the threaded portion of the compression nut.



3 Thread the terminal onto the compression nut by hand a few turns to make sure the terminal and the nut are threading properly.



4 Finish tightening the terminal onto the compression nut by gripping the compression nut with a pair of pliers (or wrench), and rotate the terminal with a screwdriver (or other suitable tool), until it seats.

F

Multi-Connection Battery Terminals

For 12VDC, these battery terminals are designed to terminate up to 4 electronic instruments on each terminal set. Can be used as a bus-bar separately or connected to multiple electronics. Red and black coverings, which snap tightly when closed, easily identify polarity. Each terminal comes complete with 2 blue (16-14GA) and 2 yellow (12-10GA) PVC insulated female quick disconnects/slide connectors.

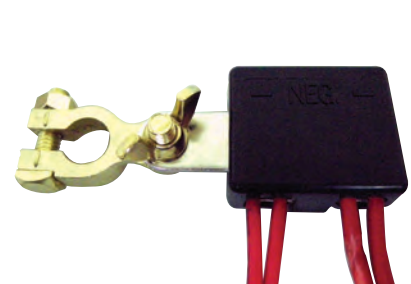
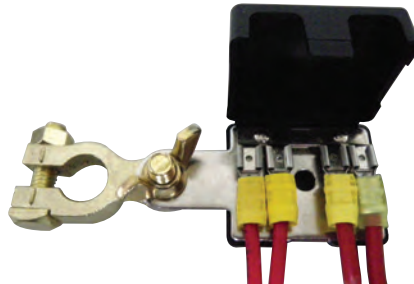
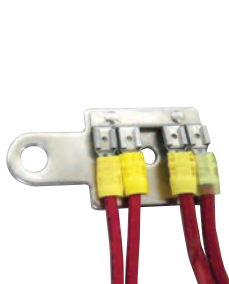
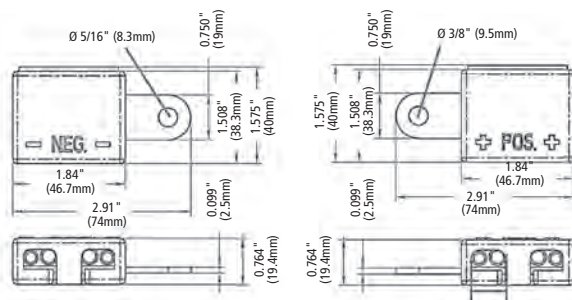
767893 Positive (Red Covering), with 3/8" stud

767793 Negative (Black Covering), with 5/16" stud



767793

767893



Easy Installation

Battery Terminals & Terminal/Post Adapters

Battery Jumper Terminals & Studs

Designed to provide easily accessible battery connections inside or outside the vehicle. Easy to install, can be used individually or in pairs. Solid brass studs (posts), brass hexnuts and lockwashers. Dimensions for contact posts, which are grooved, to easily accept standard jumper cables: 13/16" diameter, 1-1/8" long. 6-36VDC. Installs through a 1-5/16" diameter hole

767892 Post with Red Cap (Positive Terminal)

767792 Post with Black Cap (Negative Terminal)



Charging Post Adapters

762589 Side terminal charging post adapters, 3/8" threaded stud screws into side post batteries to facilitate charging. Set of 1 Pair (1 Positive, 1 Negative) is polarity specific and is marked with + & -



Battery Feeder Stud/Panel Bushings

- 6-36VDC • 2 x 3/8" – 16 Brass Studs, 5/8" Long
- Fits 1-7/16" Diameter Hole • PBT Bushing

Description	Maximum Amperage	Post	1 PC/PK	50 PCS/PK
Red Bushing	250A	3/8"	*767887	*767887B
Black Bushing	250A	3/8"	*767787	*767787B



*767887

*767787

Battery Power Distribution Posts (Single)

- Maximum Voltage 48VDC
- Allows for termination of HD Cables for one or more connections
- Glass-Filled Nylon

Polarity	Colour	Maximum Amperage	Post	1 PC/PK
Positive (+)	Red	250A	3/8"	*767886
Negative (-)	Black	250A	5/16"	*767786



*767886

*767786

Battery Terminal Adapters/Accessories



762590

Terminal Conversion Kits

762590 Converts Top Post to accept Side Post cables/terminals. Lead. Set of 1 Pair (1 Positive, 1 Negative). Marked with + & - symbols. Fasteners included.



+ Positive

- Negative

762593

762593 Threaded Adapter can also convert Stud-Type Batteries to Post-Type Battery Terminals/Battery Cables. Lead. 3/8" Stud. Set of 1 Pair (1 Positive, 1 Negative). Marked with + & - symbols.



761164

Zinc Plated Bolt and Nut

761164 5/16" - 18 x 1-1/4" bolt with raised shoulder nut. 50 Bolts & 50 Nuts per package



762621

762661

Battery Nuts

762621 Stainless Steel closed cap hold down nut, 3/8". 10 PCS/PK

762661 Stainless Steel open end hold down nut, 3/8". 10 PCS/PK



762624

Side Adapter

762624 Side post stud adapter (brass). 1/4" accessory bolt with nut. 10 Bolts & 10 Nuts per package



762501

762500

Side Terminal Battery Bolt

Made with Zinc-Plated Steel

762501 7/16" L x 3/8" Stud. Short. 10 PCS/PK

762500 15/16" L x 3/8" Stud. Long. 10 PCS/PK

Battery Terminal Accessories

Battery Terminal Protector/Identifier Boots

In addition to protecting battery terminals from inadvertent, accidental contact, battery terminal boots help quickly identify polarity.

Battery Boots (Straight)

GA Sizes	1 Pair (1 Black & 1 Red)	10 Black Boots/PK	10 Red Boots/PK
6-4GA	692662	762663	762664
2-1GA	692665	762666	762667
1/0-2/0GA	692668	762669	762670
3/0-4/0GA	692671	762672	762673



Battery Boots (Straight)

Battery Boots (Flag)

GA Sizes	1 Pair (1 Black & 1 Red)	10 Black Boots/PK	10 Red Boots/PK
2GA	692674	762675	762676
2/0GA	692677	762678	762679



Battery Boots (Flag)

Battery Boots (Right Elbow)

GA Sizes	1 Pair (1 Black & 1 Red)	10 Black Boots/PK	10 Red Boots/PK
2GA	692680	762681	762682
2/0GA	692683	762684	762685



Battery Boots (Right Elbow)

Battery Boots (Left Elbow)

GA Sizes	1 Pair (1 Black & 1 Red)	10 Black Boots/PK	10 Red Boots/PK
2GA	692686	762687	762688
2/0GA	692689	762690	762691



Battery Boots (Left Elbow)

Battery Terminal Protector Washers

Battery Terminal Protector Washers prolong the life of batteries and terminals by helping in the prevention of corrosion build-up. Can be used on top post and side post terminals.

1 Pair (1 Green & 1 Red)	10 Green Washers/PK	10 Red Washers/PK
692646	762648	762647



Battery Terminal Protectors

Battery Cable Assemblies



New Packaging for Battery Cable Assemblies

If you require any different sizes of Battery Cable Assemblies, call Techspan

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Top Post Battery Cables

- Made of quality copper conductor with cast lead universal terminals
- Full gauge stranded copper core is flexible for easy installation and allows maximum current
- Copper core extends to the end of the plated lug to give a one piece solid connection
- Colour-coded PVC insulation
- Meets SAE standards

Top Post Battery Cables

Fits up to 3/8" stud. Without Lead.

Length	Gauge	Red	Black
12" (305mm)	6GA	767622	
10" (254mm)	4GA	767821	767721
12" (305mm)	4GA	767822	767722
15" (381mm)	4GA	767823	767723
20" (508mm)	4GA	767825	767725
25" (635mm)	4GA	767826	767726
32" (813mm)	4GA	767828	767728
34" (863mm)	4GA	767829	767729
38" (965mm)	4GA	767830	767730
43" (1092mm)	4GA	767831	767731
48" (1219mm)	4GA	767832	767732
53" (1346mm)	4GA	767833	767733
56" (1422mm)	4GA	767834	767734
65" (1651mm)	4GA	767836	767736
72" (1829mm)	4GA	767837	767737
15" (381mm)	2-1GA		767122
20" (508mm)	2-1GA		767125
23" (584mm)	2-1GA		767126
32" (813mm)	2-1GA		767128
43" (1092mm)	2-1GA		767131
58" (1473mm)	2-1GA		767135
65" (1651mm)	2-1GA		767136
12" (30.5cm)	2/0GA		769380
24" (61.0cm)	2/0GA		769381
36" (91.4cm)	2/0GA		769382
48" (122.0cm)	2/0GA		769383
60" (152.4cm)	2/0GA		769384
72" (182.8cm)	2/0GA		769385

Fits up to 3/8" stud. With 1 auxiliary Lead (6", 12GA)

20" (508mm)	4GA	767853	767753
25" (635mm)	4GA	767854	767754
32" (813mm)	4GA	767856	767756
38" (965mm)	4GA	767858	767758
43" (1092mm)	4GA	767859	767759
48" (1219mm)	4GA	767860	767760
53" (1346mm)	4GA	767861	767761
65" (1651mm)	4GA	767863	767763



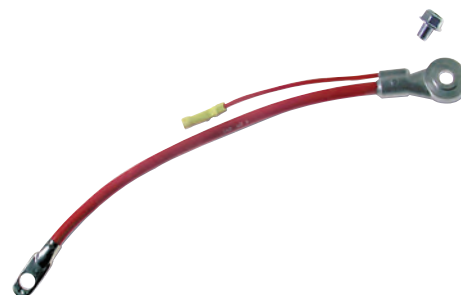
Top Post Battery Cables with Auxiliary Lead

Battery Cable Assemblies

Side Terminal Battery Cables

Fits up to 3/8" stud. With 1 auxiliary Lead (6", 12-Gauge)

Length	Gauge	Red	Black
20" (508mm)	4GA	767871	767771
25" (635mm)	4GA		767772
30" (762mm)	4GA	767873	767773
40" (1016mm)	4GA	767875	767775
45" (1143mm)	4GA		767776
55" (1397mm)	4GA		767778
65" (1651mm)	4GA	767879	



Side Terminal Battery Cable

Switch-to-Starter Cables

Fits up to 3/8" stud

Recommended for engine-to-ground connections.

Length	Gauge	Red	Black
16" (406mm)	4GA	767801	767701
18" (457mm)	4GA	767802	
24" (610mm)	4GA	767803	767703
32" (813mm)	4GA	767804	
40" (1016mm)	4GA	767806	
49" (1245mm)	4GA	767808	
12" (305mm)	6GA	767600	



Switch-to-Starter Cables

Heavy-Duty Battery Jumper Cables

Made with corrosion-resistant, lead die-cast terminals and extra flexible 2/0GA EPDM Welding Cable.

Straight Battery Terminals

Length	GA	Part#
8" (203.2mm)	2/0GA	769386
12" (304.8mm)	2/0GA	769389
19" (482.6mm)	2/0GA	769392



Heavy-Duty Jumper Cables with Straight Terminals

Elbow Battery Terminals (Same-side)

Length	GA	Part#
8" (203.2mm)	2/0GA	769387
12" (304.8mm)	2/0GA	769390



Heavy-Duty Jumper Cables with Elbow Terminals (Same-side)

Elbow Battery Terminals (Offset)

Length	GA	Part#
8" (203.2mm)	2/0GA	769388
12" (304.8mm)	2/0GA	769391
19" (482.6mm)	2/0GA	769394



Heavy-Duty Jumper Cables with Elbow Terminals (Offset)

Battery Cable Assemblies

Multi-Battery 'Connect & Protect' Harnesses

Group 31 Multi-Battery systems can be extremely hard to maintain and service without having the right connections. Our Multi-Battery 'Connect & Protect' Harness Assemblies streamline battery connections with a secure and safe fit. Exposed connections are significantly reduced to minimize the formation of corrosion.

- For Group 31 Multi-Battery systems
- Made with 2/0 Battery Cable
- Fits up to 3/8" stud
- Attached protective cap seals connection



*767891



*767791



767895



767795



767894



767794



*767890

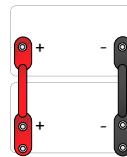


*767790

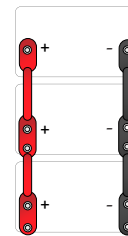
Length	# of Batteries	Red + (Positive)	Black - (Negative)
21"	4-Battery	*767891	*767791
14"	3-Battery	767895	767795
7"	2-Battery	767894	767794
Protective Caps		Red + (Positive)	Black - (Negative)
4 PCS/PK		*767890	*767790

*NEW

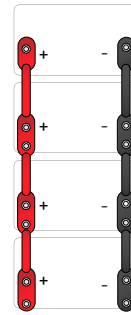
*NEW



(2-Battery)



(3-Battery)



(4-Battery)



Before



After

Battery Cable Assemblies, Bonding & Ground Straps

Stud Battery Harnesses (Stackable)

Made with 2/0GA Welding Cable. Fits up to 3/8" stud

Side-by-Side

Length	Colour/Polarity	1 PC/PK	10 PCS/PK
8-1/2"	Red (Positive)	767898	767898B
8-1/2"	Black (Negative)	767798	767798B

End-to-End

Length	Colour/Polarity	1 PC/PK	10 PCS/PK
17"	Red (Positive)	767899	767899B
17"	Black (Negative)	767799	767799B

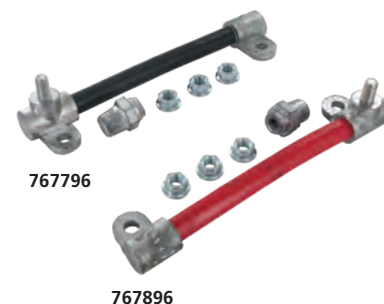


Stud Battery Harness (Stackable)

Stud to Power Harnesses

Made with 2/0GA Battery Cable. Fits up to 3/8" stud. Comes complete with serrated hex flange nuts and 1 charging post

Length	# of Nuts included	Red (Positive)	Black (Negative)
7"	3	767896	767796
14"	4	767897	767797



F

Bonding Strap, Tinned Copper Braid

Replaces OE strap and insulated type jumpers between firewall and engine valve cover or block. Grounds charging system to prevent dimming of lights and reduces radio noise by bonding metal parts. Fits most engines.

4GA, 3/8" Holes

769329 14" (355.6mm) long



Bonding Strap, Tinned Copper Braid

Fifth Wheel Ground Strap, Tinned Copper Braid

2GA, 3/8" Holes

769330 8" (203.2mm) long

769332 14" (355.6mm) long

2GA, 5/8" Holes

769333 18" (457.2mm) long



Fifth Wheel Ground Strap

Battery Accessories



692501

Top Post Carrier

Top Post Carrier

692501 For regular batteries 17-1/2" (44.4cm) long, heavy-duty, acid-resistant strap has double grip jaws with safety catch.



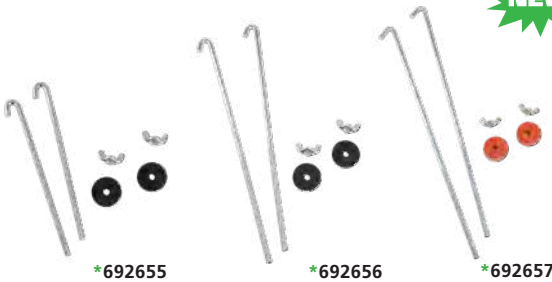
*762697



Battery Tray – Steel, Vinyl Coated

Vinyl coating resists corrosion and cold weather cracking, prolonging the life of the tray. Multiple drain slots prevent accumulation of fluid and aligns with Industry mounting holes/brackets. 13" Tray is designed for Standard Group 27 size batteries, but will also fit Group 4, 29, 31, 53, 60 and 77 size Batteries

Size	For Batteries	Material	1 PC/PK	10 PCS/PK
13"	Group 4, 27, 29, 31, 53, 60, 77	Steel, Vinyl Coated	*762697	*762697B



*692655

*692656

*692657



Battery Hold-Down Bolts

Heavy-tempered steel construction. Each package contains 2 bolts, 2 nuts and 2 washers to hold battery securely in place.

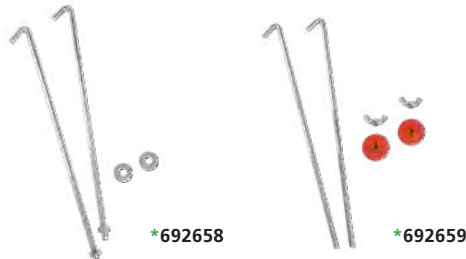
'J' Style Hooks

Package contains 2 Hooks, 2 Wing Nuts & 2 Plastic Washers

Length	Diameter	1 Pair/PK
6"	1/4"	*692655
10"	1/4"	*692656
12"	1/4"	*692657

Package contains 2 Hooks, 2 Nuts & 2 Steel Washers

12"	5/16"	*692658
-----	-------	---------



*692658

*692659

'L' Style Hooks

Package contains 2 Hooks, 2 Wing Nuts & 2 Rubberized Washers

Length	Diameter	1 Pair/PK
10"	1/4"	*692659



*762660



Battery Hold-Down Cross-Over Bar Type

***762660** Holds battery securely in engine compartment. These bars are only compatible with 1/4" wide hooks. 6-7/8"W. 1 PC/PK



Booster Cable Assemblies



1GA



4GA



8GA



8GA



6GA



4GA



2GA



1GA

F

Part #
 769526, 769527 &
 769533 are now
 supplied in
 a durable plastic
 storage case



769530 is supplied in a pail.

Booster Cables, 100% Copper

Techspan Premium Quality Booster Cables remain flexible at temperatures as low as -40°C (-40°F). Parallel bonded cables make these assemblies tangle-free. 100% pure copper for maximum conductivity.

Maximum Amperage	Length	GA Size	Clamp Type	Package Type	Part #
300A	12FT	8GA	Mechanic	Zippered Bag	769528
400A	16FT	6GA	Mechanic	Zippered Bag	769532
500A	20FT	4GA	Parrot	Storage Case	769533
700A	20FT	2GA	Parrot	Storage Case	769527
1000A	25FT	1GA	Mechanic	Storage Case	769526
900A	40FT	1GA	Mechanic	Pail	769530

Booster Cables, CCA (Copper Clad Aluminum)

For applications where maximum conductivity is not required, assemblies with Copper Clad Aluminum (CCA) conductors are available. Parallel bonded cables allow for tangle-free use. All Techspan Booster Cables Assemblies remain flexible at temperatures as low as -40°C (-40°F).

Maximum Amperage	Length	GA Size	Clamp Type	Package Type	Part #
300A	16FT	6GA	Mechanic	Zippered Bag	569532
400A	20FT	4GA	Parrot	Zippered Bag	569533
500A	20FT	2GA	Parrot	Zippered Bag	569527
700A	25FT	1GA	Mechanic	Zippered Bag	569526



All other SKUs are
 supplied in zipper bags

Booster Clamps

200 Amp Booster Clamps

- 769558** 200 Amp
Alligator-Style Clamps
PVC Insulated hand grips
Copper-Plated Steel
1 Pair: 1 Black & 1 Red
(As found on part# **769528**)



769558

400 Amp Booster Clamps

- 769575** 400 Amp
Mechanic-Style Clamps
Epoxy coated hand grips
Copper-Plated Steel
1 Pair: 1 Black & 1 Red
(As found on part# **569532, 769532**)



769575

500 Amp Booster Clamps

- 769552** 500 Amp
Parrot-Style Clamps
Epoxy coated hand grips
Steel Clamps, with Copper-Plated Jaw
1 Pair: 1 Black & 1 Red
(As found on part# **569527, 569533, 769527, 769533**)



769552

- 769554** 500 Amp
Parrot-Style Clamps
Vinyl Insulated hand grips
Steel Clamps, with Copper-Plated Jaw
1 Pair: 1 Black & 1 Red



769554

800 Amp Booster Clamps

- 769555** 800 Amp (Accommodates 2/0GA cable)
Mechanic-Style Clamps
Epoxy coated hand grips
Copper-Plated Steel
1 Pair: 1 Black & 1 Red



769555

- 769551** 1 Black Clamp Only

- 769559** 1 Red Clamp Only

800 Amp Booster Clamps

- 769562** 800 Amp
Mechanic-Style Clamps
Polyethylene Hand Grips
Nickel-Plated Steel Clamps, with 1 Copper-Plated and 1 Nickel-Plated
1 Pair: 1 Black & 1 Red
(As found on part# **569526, 769526, 769530**)



769562

- 769570** 1 Black Clamp Only

- 769574** 1 Red Clamp Only

F

Safe-T-Connects™ Booster Cables



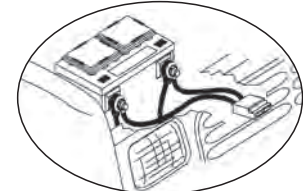
Quick Connection



Impact Resistant Polycarbonate Housing and Silver Plated Contacts



Tin Plated Lugs



The 5' harness eliminates the need to open the hood of the service vehicle.



769498



769499

- Safe-T-Connects™ Booster Cables feature Tangle Free construction and remain flexible at temperatures as low as -40°C (-40°F)
- 100% pure copper conductors for maximum conductivity
- Perfect for vehicles that are frequently used to jump start other vehicles
- Save time! Reduce risk of damage! Eliminates the need to open the hood of the service vehicle
- Quick Connection
- Impact Resistant Polycarbonate Housing and Silver Plated Contacts
- Protective cover on 5' Harnesses
- Tin Plated Lugs
- Available in 1GA and 4GA sizes

Specifications for 1GA	Part#
1GA – 30' Cable + 5' Harness – Insulated, Colour-coded Clamps (Mechanic-Style)	769498
1GA – 30' Cable Only – Insulated, Colour-coded Clamps (Mechanic-Style)	769580
1GA 5' Harness – Lug to Plug (with Protective Cover)	769581

Specifications for 4GA	Part#
4GA – 30' Cable + 5' Harness – Coated, Colour-coded Clamps (Parrot-Style)	769499
4GA – 30' Cable Only – Coated, Colour-coded Clamps (Parrot-Style)	769598
4GA 5' Harness – Lug to Plug (with Protective Cover)	769599



Safe-T-Connect: Protective Covers



Safe-T-Connect: Replacement Booster Clamps

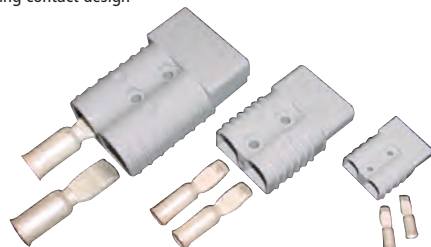
Accessories & Replacement Parts for Safe-T-Connect Booster Cables

Part#		Qty/Pkg
769481	Protective Cover for 5' Harnesses†	1 PC
769562	Replacement 800A Booster Clamps, Mechanic (1 Black + 1 Red)	1 PAIR
769570	Replacement 800A Booster Clamp, Mechanic (Black only)	1 PC
769574	Replacement 800A Booster Clamp, Mechanic (Red only)	1 PC
769552	Replacement 500A Booster Clamps, Parrot (1 Black + 1 Red)	1 PAIR

† Housings not included (shown for illustrative purposes only).
Housings & contacts can be found on page 149

Battery Connectors

- Impact-resistant polycarbonate housings
- CSA approved for use with certified equipment
- Silver-plated solid copper contacts
- Crimpable Contacts
- Flared & heat treated barrels allow easy wire insertion
- Integral stainless steel springs maintain constant pressure on the contacts
- Self-cleaning contact design



Fast 'N' Safe Battery Connector Kits

Fast 'N' Safe Battery Connector Kits

Kits contain 1 Grey Housing and 2 contacts. Order two kits for a complete set!

Gauge	Amp	Part#
12-10GA	50 Amp	769450
8GA	50 Amp	769425
6GA	50 Amp	769451
4GA	175 Amp	769426
2-1GA	175 Amp	769427
1/0GA	175 Amp	769452
2/0GA	350 Amp	769454
3/0GA	350 Amp	769428
4/0GA	350 Amp	769430

* Connector Kits listed are in Grey Housings only.

Grey is the most commonly used colour in the Transportation Aftermarket. Users who work with single voltage applications are likely to use grey housings regardless of the voltage. For equipment and fleets with multiple voltage applications and where necessary, we suggest that you follow the industry colour coding listed.



Listed by Canadian Standards
Associated for use with
certified equipment

Yellow = 12 Volts
Grey = 36 Volts

Red = 24 Volts
Blue = 48 Volts

The universal colour codes are there to differentiate voltages in your electrical circuits and to prevent possible risk of dangerous and expensive damage, thus grey connectors should only be connected to grey connectors, etc. We've added other colours to suit your requirements.



Recognized under the component
program of Underwriters
Laboratories, Inc.



Fast 'N' Safe Battery Connector Contacts

Fast 'N' Safe Battery Connector Contacts (Only)

Supplied in packages of 2.

Gauge	Amp	Part#
12-10GA	50 Amp	769431
8GA	50 Amp	769432
6GA	50 Amp	769433
4GA	175 Amp	769458
2-1GA	175 Amp	769459
1/0GA	175 Amp	769434
2/0GA	350 Amp	769435
3/0GA	350 Amp	769460
4/0GA	350 Amp	769461

Fast 'N' Safe Battery Connector Housings (Only)

1 per package. Grey part numbers below are the replacement parts for the battery connection kits.

Gauge	Amp	Grey	Black	Blue	Green	Orange	Red	Yellow
12, 10, 8, 6GA	50 Amp	769467	769408	769415	769414		769417	769418
4, 2, 1, 1/0GA	175 Amp	769456		769423		769496	769424	769497
2/0, 3/0, 4/0GA	350 Amp	769457		769400	769404	769405	769406	769407

Gauge	Amp
12GA – 6GA	50 Amp
4GA – 1/0GA	175 Amp
2/0GA – 4/0GA	350 Amp



Fast 'N' Safe Battery Connector Housings

Fast 'N' Safe Battery Connectors – Accessories

Protective Covers

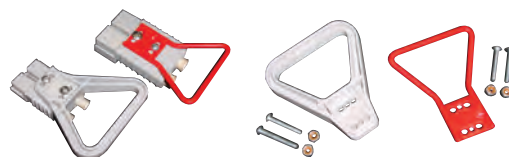
- 769480** Protective Cover for 50 Amp Fast 'N' Safe Battery Connectors
769481 Protective Cover for 175 Amp Fast 'N' Safe Battery Connectors
769482 Protective Cover for 350 Amp Fast 'N' Safe Battery Connectors



Fast 'N' Safe Battery Connector Protective Covers

Handles

- 769462** Plastic, can be used with all 175 Amp & 350 Amp. Hardware included.
769479 Steel, can be used with all 175 Amp & 350 Amp. Hardware included.



Fast 'N' Safe Battery Connector Handles

Battery & Test Clips



761645



761639



RED: 761635

BLACK: 761634

Alligator Clips and PVC Boots

Alligator Clips

761645 5 Amp Alligator Clips. 3/8" Jaw opening. 1 Pair

761639 5 Amp Alligator Clips with PVC Boots. 3/8" Jaw opening.
 1 Pair (1 Black + 1 Red)

PVC Boots for Alligator Clips

1 Pair (1 Black & 1 Red)	10 Black Boots/PK	10 Red Boots/PK
761636	761634	761635



761640

761642



761641

Charger/Test Clips (Jaw Type)

Charger/Test Clips (Jaw Type)

Nickel-Plated Steel

Amperage	Opening	Description	Part#	Package Qty
10 Amp	0.65"		761640	1 Pair
25 Amp	1.02"	+ & - markings	761641	1 Pair
50 Amp	1.48"	+ & - markings	761642	1 Pair



For years, we listed p# 761641 as having an Amperage Rating of 30A, where all along, its been rated at 25A



Charger/Test Clips (Jaw Type) – Heavy-Duty

Charger/Test Clips (Jaw Type) – Heavy-Duty

761644 50 Amp Charger/Test Clips with PVC Insulated hand grips, 1 Pair (1 Black + 1 Red). Copper-Plated Steel.

Description	1 PC/PK	25 PCS/PK
50 Amp Charger Test Clip with PVC Insulated hand grips, Black Only	761637	761637B
50 Amp Charger Test Clip with PVC Insulated hand grips, Red Only	761638	761638B

Battery Accessory Kits & Post/Terminal Cleaner

Battery Accessories (Automotive) Assortment – ‘Flip’ Kit

763009 This assortment contains 85 pieces of widely used battery accessories such as battery terminals, lugs, adapters, solder slugs and test clips for automotive applications. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

Kit Contents:

Part#	Qty	Part#	Qty	Part#	Qty
761644	1 pair	762505	5 pcs	762620	4 pcs
761645	1 pair	762506	5 pcs	762621	5 pcs
762441	5 pcs	762547	5 pcs	762628	5 pcs
762443	5 pcs	762548	5 pcs	762629	5 pcs
762444	5 pcs	762549	5 pcs	762642	5 pcs
762445	5 pcs	762550	5 pcs		
762504	5 pcs	762593	1 pair		

For more information on this Flip Kit, see page 237



763009 85 pc Automotive Battery Accessory ‘Flip’ Kit

Battery Accessories (Heavy-Duty) Assortment – ‘Flip’ Kit

763010 This assortment contains 78 pieces of widely used battery accessories such as battery terminals, lugs, adapters, solder slugs, test clips and stackable harnesses for heavy-duty applications. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

Kit Contents:

Part#	Qty	Part#	Qty	Part#	Qty
761639	1 pair	762529	5 pcs	762621	5 pcs
761641	1 pair	762541	10 pcs	762631	5 pcs
762507	5 pcs	762544	10 pcs	762632	5 pcs
762508	5 pcs	762591	5 pcs	767798	1 pc
762509	5 pcs	762593	1 pair	767898	1 pc
762510	5 pcs	762620	5 pcs		

For more information on this Flip Kit, see page 237



763010 78 pc Heavy-Duty Battery Accessory ‘Flip’ Kit

Battery Terminal Spreader

762649 Forged steel construction allows tool to evenly spread out terminals. Insulated handles. Length: 7-1/2" (190.50mm)



762649 Battery Terminal Spreader

Battery Post and Terminal Cleaner

692003 Circular stainless steel brushes clean battery posts. Tapered brush cleans corrosion from battery terminals.



692003 Battery Post and Terminal Cleaner

Switches (General Information)



What's New?

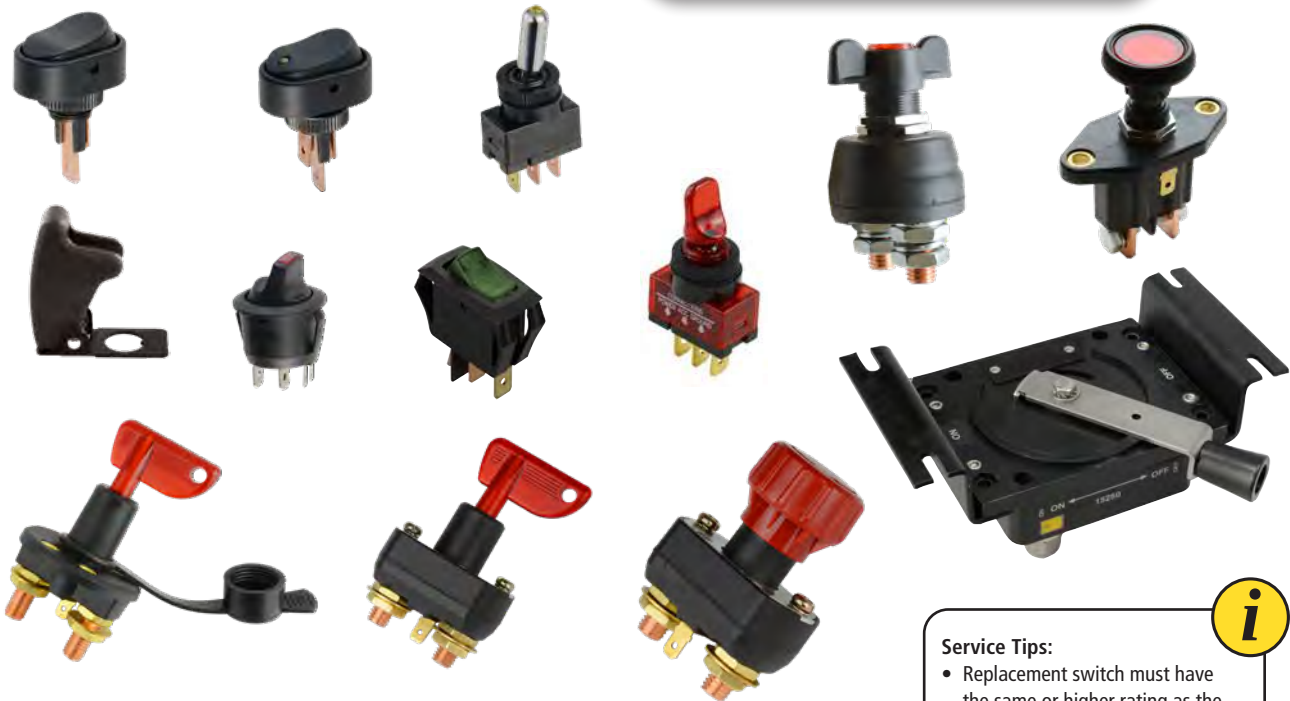
- ★ Rocker Switches (Lighted)
- ★ Toggle Switches, Paddle Style (Lighted)
- ★ Toggle Switches (Lighted)
- ★ Toggle Switch Accessories
- ★ Battery Master Disconnect Switch (Extra Heavy-Duty)
- ★ Battery Master Disconnect Switches (Lighted)

Introducing... **Control** 



If you are looking for a Switch that you don't see in this catalogue, we have lots more available in our Cole Hersee & Pollak offering

G



Common Used Terminology:

Terminology	# of Terminals	Description
Single Pole		A switch that opens, closes or changes connection in a single conductor of an electrical circuit to a common contact
Single Throw		A switch that opens, closes or completes a circuit at only one of the extreme positions of its actuator
Double Pole		A switch that operates simultaneously in two separate electric circuits
Double Throw		A switch that alternately completes a circuit at either end of its extreme positions
S.P.S.T. (Single Pole/Single Throw)	2	A two-terminal switch that opens or closes one circuit
S.P.D.T. (Single Pole/Double Throw)	3	A three-terminal switch for connecting one terminal to either of two terminals
D.P.S.T. (Double Pole/Single Throw)	4	A switch that has four terminals and is used to connect or disconnect two pairs of terminals simultaneously
D.P.D.T. (Double Pole/Double Throw)	6	A switch that has six terminals and is used to connect one pair of terminals to either of the two pairs



Service Tips:

- Replacement switch must have the same or higher rating as the original switch
- Unplug circuit or turn off power at electrical panel
- Remove wires from old switch one at a time and attach to the new switch in the same manner, or follow wiring diagram
- For Blade Terminals: Crimp female slide connector (quick disconnect) on stranded wire and make sure it's connected properly. Female slide connectors/quick disconnects can be found in the Terminal section of this catalogue
- For Screw Terminals: Twist stranded wire together. Loop wire clockwise around the screw. Tighten securely!

Toggle Switches

Heavy-Duty Toggle Switches

Oversized internal copper terminals will carry higher current loads. Provides a long service life. Each switch comes with a Face Plate imprinted with the representation of its' circuitry. Fits 1/2" Mounting Hole.

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/Type	1 PC/PK
2	ON-OFF	2 Blades	50A @ 12VDC	Std. 1" Chrome	765033
2	ON-OFF	2 Screws	50A @ 12VDC	Std. 1" Chrome	765030
2	ON-OFF	2 Screws	50A @ 12VDC	Std. 1" Black	765012
2	ON-OFF	2 Screws	50A @ 12VDC	Long 1-1/2" Chrome	765031



765033



765030



765012



765031

S.P.D.T. (Single Pole – Double Throw)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/Type	1 PC/PK
3	ON-OFF-ON	3 Screws	50A @ 12VDC	Std. 1" Chrome	765034



765034

Heavy-Duty 'Momentary' Toggle Switches

S.P.D.T. (Single Pole – Double Throw)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/Type	1 PC/PK
3	Mom ON-OFF-Mom ON	3 Screws	50A @ 12VDC	Std. 1" Chrome	765032
3	Mom ON-OFF-Mom ON	3 Screws	50A @ 12VDC	Long. 1-1/2" Chrome	765020



765032



765020

Toggle Switches



Universal Applications



Medium-Duty Toggle Switches

- Universal applications
- Fits 1/2" Mounting Hole
- 20A @ 12VDC
- Chrome, 'Bat'-Style handle
- CSA Approved



765047

765042

765046

765041

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Handle Length	1 PC/PK	25 PCS/PK
2	ON-OFF	2 Blades	Standard, 11/16"	765047	765047B
2	ON-OFF	2 Blades	Long, 1-1/2"	765042	765042B
2	ON-OFF	2 Screws	Standard, 11/16"	765046	765046B
2	ON-OFF	2 Screws	Long, 1-1/2"	765041	



765052

765055

765054

765056

S.P.D.T. (Single Pole – Double Throw)

Positions	Circuitry	Terminal Type	Handle Length	1 PC/PK	25 PCS/PK
2	ON-ON	3 Blades	Standard, 11/16"	765052	765052B
3	ON-OFF-ON	3 Blades	Standard, 11/16"	765056	765056B
2	ON-ON	3 Screws	Standard, 11/16"	765054	765054B
3	ON-OFF-ON	3 Screws	Standard, 11/16"	765055	765055B



765059

765058

D.P.S.T. (Double Pole – Single Throw)

Positions	Circuitry	Terminal Type	Handle Length	1 PC/PK	25 PCS/PK
2	ON-OFF	4 Blades	Standard, 11/16"	765059	765059B
2	ON-OFF	4 Screws	Standard, 11/16"	765058	765058B



765063

765066

765064

765065

D.P.D.T. (Double Pole – Double Throw)

Positions	Circuitry	Terminal Type	Handle Length	1 PC/PK	25 PCS/PK
2	ON-ON	6 Blades	Standard, 11/16"	765063	765063B
3	ON-OFF-ON	6 Blades	Standard, 11/16"	765066	765066B
2	ON-ON	6 Screws	Standard, 11/16"	765064	765064B
3	ON-OFF-ON	6 Screws	Standard, 11/16"	765065	765065B

Toggle Switches

Medium-Duty 'Momentary' Toggle Switches

- Universal applications
- Fits 1/2" Mounting Hole
- 20A @ 12VDC
- Chrome, 'Bat'-Style handle
- CSA Approved

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Handle Length	1 PC/PK	25 PCS/PK
2	Mom ON-OFF	2 Blades	Standard, 11/16"	765043	
2	Mom ON-OFF	2 Screws	Standard, 11/16"	765049	765049B
2	ON-Mom OFF	2 Screws	Long, 1-1/2"	765048*	

*765048 is not CSA approved



765043



765049



765048*

S.P.D.T. (Single Pole – Double Throw)

Positions	Circuitry	Terminal Type	Handle Length	1 PC/PK	25 PCS/PK
3	Mom ON-OFF-Mom ON	3 Blades	Standard, 11/16"	765062	765062B
3	Mom ON-OFF-Mom ON	3 Screws	Standard, 11/16"	765057	765057B
3	ON-OFF-Mom ON	3 Screws	Standard, 11/16"	765071	765071B



765062



765071



765057

D.P.D.T. (Double Pole – Double Throw)

Positions	Circuitry	Terminal Type	Handle Length	1 PC/PK	25 PCS/PK
3	<Reversing> Mom ON-OFF-Mom ON	4 Blades	Standard, 11/16"	*765076	*765076B <i>*NEW</i>
3	Mom ON-OFF-ON	6 Blades	Standard, 11/16"	765074	765074B
3	Mom ON-OFF-ON	6 Screws	Standard, 11/16"	765069	765069B
3	Mom ON-OFF-Mom ON	6 Blades	Standard, 11/16"	765070	765070B
3	Mom ON-OFF-Mom ON	6 Screws	Standard, 11/16"	765067	765067B



*765076



765074



765069



765070



765067

Toggle Switches & Accessories



*765019



765004



† Toggle switch is not included
(for illustrative purposes only)

Toggle Switch Accessories

Toggle Switch Flip Cover Guard

- Spring loaded snap action holds this Cover Guard in the Up or Down position
Switch cannot be operated with the cover in the down position
- Can easily be added to an already installed toggle switch by unscrewing and replacing the face-nut
- Faceplate is steel with black glossy finish
- For use with Toggle Switches with:
 - Standard 15/32" mounting stem
 - 11/16" Standard 'Bat' Handle
 - ON-OFF or ON-ON Function
 - Keyway in the bushing

Colour	1 PC/PK	25 PCS/PK
Black	*765019	*765019B
Red	765004	765004B

*NEW

Toggle Switch Boot Seals

Made from silicone rubber that is bonded to a standard 15/32" – 32 thread nickel plated brass hex-nut. The rubber actually forms an O-Ring when the nut is tightened onto the stem of a toggle switch. Boot seals help protect toggle switches from dirt, moisture and salt spray.

Full-Boot Seals (Closed)

Covers Toggle Switches with a 15/32" diameter mounting stem and an 11/16" 'Bat' Handle



765001

765005

765006

Full-Boot Seals (Closed)

Colour	1 PC/PK	25 PCS/PK
Black	765001	765001B
Grey	765005	765005B
Red	765006	765006B

Half-Boot Seals (Open)

Covers all Toggle Switches that have a 15/32" diameter mounting stem. Not to be used with Toggle Switches with square-ended handles.



765003

765011

Half-Boot Seals (Open)

Colour	1 PC/PK	25 PCS/PK
Black	765003	765003B
Grey	765011	765011B



765000

Toggle Switch Face Plate

Toggle Switch Face Plate

Type	1 PC/PK	25 PCS/PK
ON-OFF	765000	765000B

Toggle Switches

Medium-Duty Toggle Switches (Nylon Handle)

- Universal applications
- Decorator style with an O-ring seal between Toggle & bushing for splash-proof reliability
- Fits 1/2" Mounting Hole
- For lighted units, actuator illuminates RED when the switch is in the ON position and WHITE when its in the OFF position
- CSA Approved where shown

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/Type	1 PC/PK
2	ON-OFF	2 Blades	20A @ 12VDC	Std 11/16" Black	765101
2	ON-OFF	4 Blades	20A @ 12VDC	Std 11/16" Lighted	765103
2	ON-OFF	4 Screws	20A @ 12VDC 20A @ 125VAC 10A @ 277VAC	Std 11/16" Lighted	765102



765101



765103



765102

D.P.S.T. (Double Throw – Single Pole)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/Type	1 PC/PK
2	ON-OFF	4 Blades	20A @ 12VDC 20A @ 125VAC 10A @ 277VAC	Std 11/16" Black	765109



765109

Medium-Duty 'Momentary' Toggle Switches (Nylon Handle)

- Universal applications
- Decorator style with an O-ring seal between Toggle & bushing for splash-proof reliability
- Fits 1/2" Mounting Hole
- CSA Approved

S.P.D.T. (Single Pole – Double Throw)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/Type	1 PC/PK
3	Mom ON-OFF- Mom ON	3 Blades	20A @ 12VDC 20A @ 125VAC 10A @ 277VAC	Std 11/16" Black	765105



765105



765117

D.P.D.T. (Double Pole – Double Throw)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/Type	1 PC/PK
3	Mom ON-OFF- Mom ON	6 Blades	20A @ 12VDC 20A @ 125VAC 10A @ 277VAC	Std 11/16" Black	765117

Toggle Switches

Medium-Duty Toggle Switches (Weather-Resistant)

Standard 11/16" 'Bat' Handle. Mounting stem: 15/32". Rating 20A @ 12VDC



765010

Feature	Benefit
O-Ring Seal + Plastic Coating	Weatherproofs the switch
ON/OFF Face Plate	Easily identifies the current function of switch
Wire Leads – Tin Plated Copper (14GA, 8" Long)	Tin Plating on the copper conductors prolong the life of the switch

Type	Description	1 PC/PK	25 PCS/PK	
2 Position (ON-OFF)	SPST	765010	765010B	
3 Position (Mom ON-OFF-Mom ON)	SPDT	*765018	*765018B	*NEW



765018

Light-Duty Toggle Switches

The best combination of space-saving size and economy for universal, lighter duty applications. CUL approval, where shown. Each switch comes with a Face Plate imprinted with an ON-OFF Face Plate.



765075

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Amp Rating	Handle Length/ Type	Mounting Stem Diameter	Description	1 PC/PK	25 PCS/PK
2	ON-OFF	2 Screws	35A @ 6VDC 20A @ 12VDC	Chrome, 'Bat'-style handle – 11/16" Long	7/16" Dia.	Brass Housing	765075	765075B
2	ON-OFF	2 Blades	15A @ 120VAC 10A @ 240VAC	Chrome, 'Bat'-style handle – 16mm Long	15/32" Dia.		765072	765072B
2	ON-OFF	2 Wires	6A @ 125VAC 3A @ 250VAC	Chrome, 'Bat'-style handle – 16mm Long	15/32" Dia.		765073	765073B
2	ON-OFF	2 Wires	6A @ 125VAC 3A @ 250VAC	Chrome, 'Ball'-tip handle – 11mm Long	15/32" Dia.		*765077	*765077B *NEW



765072



765073



*765077

Toggle Switches (Lighted)

For Automotive, Heavy-Duty Truck, Marine, Off-Road and RVs. Black Polycarbonate Housing.

Medium-Duty Toggle Switches (Lighted Tip)

- Fits 1/2" Mounting Hole
- 20A @ 12VDC
- Pilot light on the tip of the actuator illuminates when the switch is ON
- 1/4" Blade Terminals for quick and easy connection



LED

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminals	Actuator	Previous Techspan #	1 PC/PK	
2	ON-OFF	3 Blade	Red LED Tip	35-3300	*765168	*NEW
2	ON-OFF	3 Blade	Green LED Tip	35-3301	*765169	*NEW
2	ON-OFF	3 Blade	Amber LED Tip	35-3302	*765170	*NEW
2	ON-OFF	3 Blade	Blue LED Tip	35-3303	*765171	*NEW

*765171 (Blue LED Tip) is available on a special-order basis



*765168



*765169



*765170



*765171

G

Medium-Duty Toggle Switches (Lighted Actuator), Duckbill-Style



LED

- Fits 1/2" Mounting Hole
- 20A @ 12VDC
- Lighted actuator illuminates when the switch is ON
- 1/4" Blade Terminals for quick and easy connection

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminals	Actuator	Previous Techspan #	1 PC/PK	
2	ON-OFF	3 Blade	Red, Duckbill-Style	35-3310	*765158	*NEW
2	ON-OFF	3 Blade	Green, Duckbill-Style	35-3311	*765159	*NEW
2	ON-OFF	3 Blade	Amber, Duckbill-Style	35-3312	*765160	*NEW



*765158



*765159



*765160

Toggle Switches, Paddle Style (Lighted)

For Automotive, Heavy-Duty Truck, Marine, Off-Road and RVs. Black Polycarbonate Housing.



*765164

Medium-Duty Toggle Switch (Lighted Tip)



- Fits 0.866" Mounting Hole
- 20A @ 12VDC
- Pilot light on the tip of the actuator illuminates when the switch is ON
- Snap-In
- 3/16" Solder Terminals

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminals	Actuator	Previous Techspan #	1 PC/PK	
2	ON-OFF	3 Blade	● Red, Paddle-Style	35-3330	*765164	*NEW

G



*765161

Medium-Duty Toggle Switches (Lighted Actuator)



- Fits 0.944" Mounting Hole
- 20A @ 12VDC
- Lighted actuator illuminates when the switch is ON
- Snap-In
- 1/4" Blade Terminals for quick and easy connection

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminals	Actuator	Previous Techspan #	1 PC/PK	
2	ON-OFF	3 Blade	● Red, Paddle-Style	35-3320	*765161	*NEW
2	ON-OFF	3 Blade	● Green, Paddle-Style	35-3321	*765162	*NEW
2	ON-OFF	3 Blade	● Amber, Paddle-Style	35-3322	*765163	*NEW



*765162



*765163

Rocker Switches

Rectangular Rocker Switches (Sealed)



- For Automotive and Marine applications
- IP67 rating
- Fits 0.830" x 1.450" Mounting Hole
- 20A @ 12VDC
- Pilot light illuminates when switch is on
- 1/4" Blade Terminals for quick & easy connection

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Actuator	1 PC/PK	
2	ON-OFF	3 Blades	● Black with Red Pilot Light	*765144	*NEW
2	ON-OFF	3 Blades	● Black with Amber Pilot Light	*765145	*NEW
2	ON-OFF	3 Blades	● Black with Green Pilot Light	*765146	*NEW
2	ON-OFF	3 Blades	● Black with Blue Pilot Light	*765147	*NEW



Now made with a clear lens. Diodes will light up to the colour specified in the description



S.P.S.T. Angle View



S.P.S.T. Back Angle View



S.P.S.T. Back View



S.P.S.T. Front View



D.P.D.T. Angle View



D.P.D.T. Back Angle View



D.P.D.T. Back View



D.P.D.T. Front View

D.P.D.T. (Double Pole – Double Throw)

Positions	Circuitry	Terminal Type	Actuator	1 PC/PK	
3	ON-OFF-ON	7 Blades	● Black with Red Pilot Light	*765148	*NEW
3	ON-OFF-ON	7 Blades	● Black with Amber Pilot Light	*765149	*NEW
3	ON-OFF-ON	7 Blades	● Black with Green Pilot Light	*765150	*NEW
3	ON-OFF-ON	7 Blades	● Black with Blue Pilot Light	*765151	*NEW

Momentary Function

Positions	Circuitry	Info	Terminal Type	Actuator	Previous Techspan #	1 PC/PK	
3	Mom ON-OFF-Mom ON	S.P.D.T	3 Blades	Black	35-3560	*765176	*NEW
3	Mom ON-OFF-Mom ON	D.P.D.T	6 Blades	Black	35-3570	*765177	*NEW



*765176



*765177

Removal Tool for Rectangular Rocker Switches



*765152 Used to remove actuators from Sealed Rectangular Rocker Switches



*765152

Rocker Switches

For Automotive, Heavy-Duty Truck, Marine, Off-Road and RVs. Black nylon actuator and housing.



*765154



*765155



*765156



*765157



*765153

Oval Rocker Switches (Lighted)

- Fits 1/2" Mounting Hole
- 30A @ 12VDC
- For lighted units, pilot light illuminates when the switch is ON
- 1/4" Blade Terminals for quick and easy connection



S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminals	Actuator	Previous Techspan #	1 PC/PK	
2	ON-OFF	3 Blade	● Black with Red Pilot Light	35-3370	*765154	*NEW
2	ON-OFF	3 Blade	● Black with Green Pilot Light	35-3371	*765155	*NEW
2	ON-OFF	3 Blade	● Black with Amber Pilot Light	35-3372	*765156	*NEW
2	ON-OFF	3 Blade	● Black with Blue Pilot Light	35-3373	*765157	*NEW
2	ON-OFF	2 Blade	Black (No Light)		*765153	*NEW

Rectangular Rocker Switches (Lighted Actuator)

- Fits 0.453" x 1.110" Mounting Hole
- 16A @ 12VDC
- Lighted actuator illuminates when the switch is ON
- Snap-in Bezel
- 1/4" Blade Terminals for quick and easy connection



*765172



*765173



*765174



*765175

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminals	Actuator	1 PC/PK	
2	ON-OFF	3 Blade	● Red, Rocker Style	*765172	*NEW
2	ON-OFF	3 Blade	● Green, Rocker Style	*765173	*NEW
2	ON-OFF	3 Blade	● Amber, Rocker Style	*765174	*NEW
2	ON-OFF	3 Blade	● Blue, Rocker Style	*765175	*NEW

Rocker Switches

Rocker Switches (Full Size)

- Universal applications
- Snap-in Nylon Bezel
- Nylon Actuator
- Fits 0.830" x 1.45" Mounting Hole in panels that are 0.093", 0.125" or 0.187" thick
- 20A @ 12VDC
- For Lighted Units, Pilot Light illuminates when the switch is ON
- 1/4" Blade Terminals for quick and easy connection

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Actuator	1 PC/PK
2	ON-OFF	2 Blades	Black (No Light)	765131
2	ON-OFF	2 Screws	Black (No Light)	765130
2	ON-OFF	3 Blades	Black with Red Pilot Light	765135
2	ON-OFF	3 Screws	Black with Red Pilot Light	765134
2	ON-OFF	3 Screws	Black with Green Pilot Light	765136
2	ON-OFF	3 Screws	Black with Amber Pilot Light	765137



765131



765130



765135



765134



765136



765137

Rocker Switches (Round)

- Snap-in Nylon Bezel
- Fits 0.795" Hole
- 20A @ 12VDC
- For Lighted Units, Actuator illuminates when the switch is ON
- 3/16" Solder Terminals

S.P.S.T. (Single Pole – Single Throw)

Positions	Circuitry	Terminal Type	Actuator	1 PC/PK
2	ON-OFF	3 Blade	Amber	765141
2	ON-OFF	3 Blade	Blue	765143
2	ON-OFF	3 Blade	Green	765142
2	ON-OFF	3 Blade	Red	765140



765141



765143



765142



765140



S.P.S.T. Back View

Switches



765007

Push/Pull Switches

Medium-Duty

Positions	Circuitry	Description	Terminal Type	Current Rating	Mounting Stem (Diameter)	Length	Knob	1 PC/PK	25 PCS/PK
2	OFF-ON	S.P.S.T.	2 Screws	25A @6VDC, 15A @ 12VDC	7/16"	5/8"	Plastic (Ivory)	765007	—



765002

Extra Heavy-Duty

Positions	Circuitry	Description	Terminal Type	Current Rating	Mounting Stem (Diameter)	Length	Knob	1 PC/PK	25 PCS/PK
2	OFF-ON	S.P.S.T.	2 Screws	75A @ 12VDC, (6-28VDC)	15/32"	5/8"	Chrome Plated	765002	765002B

Sealed Plunger Switch

765060 2 positions (ON-OFF, Normally ON; push to OFF). 10 amps @ 14V, Self-tapping thread. Self Adjusting, switch length 2-1/8". Mating connector has three 8" 18GA wire leads.



765060

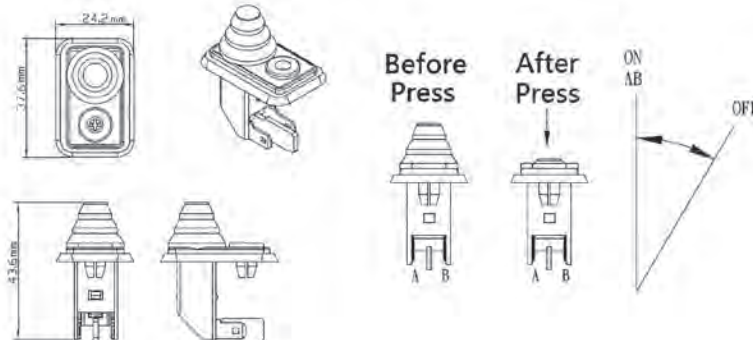
Push Button Door Switch (with Boot)



***765212** 2-Positions (ON-OFF, OFF with Plunger depressed, Spring return to ON). S.P.S.T., 4A @ 12VDC Lamp load. Two 2mm x 5mm Blade Terminals. Plastic Button, Black Rubber Boot protects the face of the Switch. Similar to p# 9006

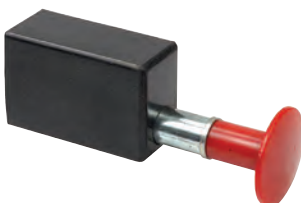


*765212



Axle Switch

765211 Two Speed Axle Shift Limit Switch. 2 Position Both ON controls. High and Low Axle Ranges. Die cast body protected with rubber cover. Three Female Terminals to receive Bullet Terminals. Large Red Knob for use with Eaton 2-Speed Rear Axle



765211

Switches

Momentary Push Switch

- 2 Positions – OFF-ON, Normally OFF (Push to ON)
- Cap and Face Nut, to seal out Weather and Dust
- Black Molded Plunger
- Hex Back Nut
- Zinc Die Cast Housing, Silver Plated Contacts, Brass Terminals
- Operation: 50,000 Cycles
- Mounting Stem: 5/8-32 Thread Accommodates panels up to 1/4" thick
- Contact Rating: @14VDC: Make 70 Amps, Break 20 Amps Inductive Load
 @28VDC: Make 35 Amps, Break 10 Amps Inductive Load
- Flush terminal screws in molded insulator
- Overall Length: 1-13/16"
- Housing Diameter: 15/16"

**WEATHER
&
DUST-PROOF**



765210

765210 1 PC/PK

*765210B Same as above, except 10 PCS/PK *NEW

Ball Switch

Techspan also supplies Precision Ball Switches that are Normally Open or Normally Closed, with exposed or sealed terminals, and with or without encapsulated wire leads. Temperature ratings: -40°F to 250°F. For more information and more options, check out our Techspan/Pollak catalogue!

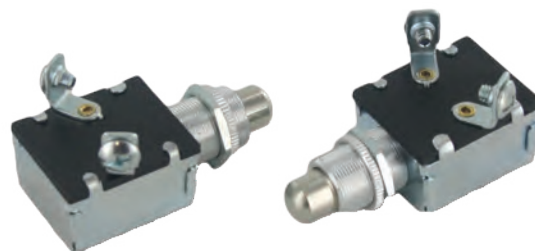
765300 Precision Ball Switch (Normally Open – Exposed Stud Terminals).
 Free Position: .421" / .416", Make/Break: .406" / .391"



765300

Momentary Starter Switch

765209 2 Position (OFF-ON), 2 Screw Terminals, 25A @ 6VDC, 15A @ 12VDC.
 Dimensions: 5/8" Diameter, 3/4" Long. Mounts in 5/8" diameter hole.
 Nylon housing, Universal mounting bushing; Hex Pal back knurled face nut assembled. Silver plated brass terminals



765209

Ignition Switches

- For 6-24VDC applications
- Key is removeable in OFF position
- Temperature rating: -40°F to 250°F

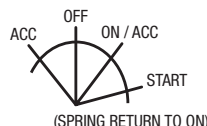
765205 4 Position, Universal Key Code. Mounting Stem: 5/16" long with a 1" diameter. 2 Brass keys included. 1-1/8" mounting nut.
 Continuous Rating: 45A @ 12VDC

765207 4 Position, PK556 Key Code. Mounting Stem: 7/16" long, with a 3/4" diameter. 2 Brass keys included. 1-1/8" mounting nut with rubber cap to protect against moisture. Continuous Rating: 30A @ 14VDC



765205

4 Positions



765207

Battery Master Disconnect Switches

Battery Master Disconnect Switch (Extra Heavy-Duty)



A non-fused current interrupt disconnect, designed for opening the circuit between a battery and the complete electrical load of a battery powered system.

*765222

- 12-50 VDC, 12-50 VAC
- Continuous Rating: 400A @ 12VDC
- Terminal Studs: 2 x 1/2"
- Surface Mount Ready (Mounting Brackets included)
- Overall Dimensions: 8" W x 4.19" L x 3.81" H
- Mounting: 7" & 3" Centres



Bottom View

*765222

Battery Master Disconnect/Selector Switch

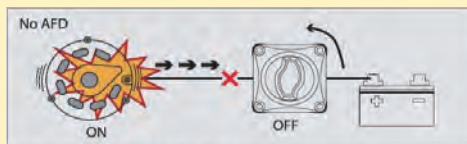


- 6-12VDC • Crank Rating: 1000A
- Dielectric Strength @ 1 minute (2000VDC, 1000VAC)
- Insulation resistance: DC 1000V 100MΩ Min
- Housing and Actuator is made with PBT material
- Bronze studs
- Single Wire Outlet direction
- 5.51" Diameter x 2.95" H

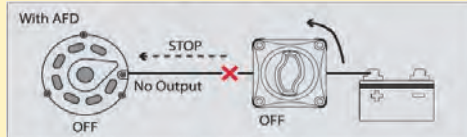
- Allows for selection of either battery, both batteries in parallel, or complete disconnect of both batteries
- The AFD (Alternator Field Disconnect) allows selection of any position (including the OFF position), without damaging the alternator or electrical system
- Panel & Surface Mount

2-Battery

*765226 Continuous Rating: 200A, Intermittent Rating: 300A



Continuous output will blow out the alternator



AFD cuts the alternator off before the battery switch is turned off

AFD (Alternator Field Disconnect):

AFD protects the alternator diodes if the battery is accidentally turned OFF.

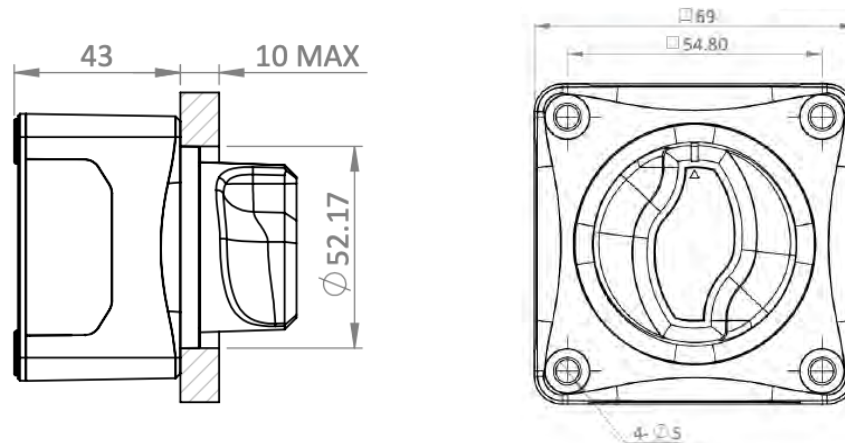
A battery switch with AFD will cut off the alternator output before cutting off the main circuit it controls.



*765226

Master Disconnect Switches

Battery Master Disconnect Switches



(Line Drawings for P# 765227 & 765225)

Single Battery (Disconnect Function)

- 765227**
- 12-50VDC
 - Continuous Rating: 275A @ 12VDC
 - Intermittent Rating: 455A @ 12VDC (5 minutes)
 - Crank Rating: 1250A @ 12VDC (10 seconds)
 - Panel & Surface Mount
 - Terminal Studs: 2 x 3/8"
 - Removeable windows for unobstructed wiring
 - Meets Ignition Protection Standard (ISO 8846 / SAE J1171)



765227

2-Battery (Disconnect & Selector Functions)

- 765225**
- Allows for selection of either battery, both batteries in parallel, or complete disconnect of both batteries
 - 12-50VDC
 - Continuous Rating: 100A @ 12VDC
 - Intermittent Rating: 300A @ 12VDC (5 minutes)
 - Crank Rating: 1000A @ 12VDC (10 seconds)
 - Panel & Surface Mount
 - Terminal Studs: 3 x 5/16"
 - Removeable windows for unobstructed wiring

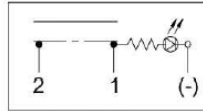


765225

Battery Master Disconnect Switches (LED Indicator)



- 12-24VDC
- Ignition-Protected
- 3-Terminals
- Non-metallic, weather-resistant housing



Circuit Diagram



*765215

(Top View)

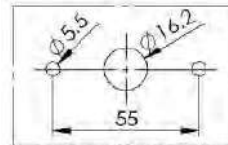


765215
Red LED Indicator
on Actuator

Push/Pull (Red LED Indicator)

*765215
*NEW

- SPST
- OFF-ON
- LED lights up continuously at all positions when power is inputted from Terminal 1 and only at the ON position when power is inputted from Terminal 2
- Continuous Rating: 150A @ 12VDC, 75A @ 24VDC
- Intermittent Rating: 225A @ 12VDC, 112A @ 24VDC (5 minutes)
- Crank Rating: 500A @ 12VDC, 400A @ 24VDC (10 seconds)
- IP56
- 2 x #12 Screw Terminals



Mounting Specifications (mm)



*765213

(Top View)

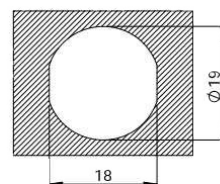


765213
Red LED Indicator
on Actuator

Rotating Lever (Red LED Indicator)

*765213
*NEW

- SPST
- OFF-ON
- LED lights up continuously at all positions when power is inputted from Terminal 1 and only at the ON position when power is inputted from Terminal 2
- Continuous Rating: 200A @ 12VDC, 100A @ 24VDC
- Intermittent Rating: 300A @ 12VDC, 150A @ 24VDC (5 minutes)
- Crank Rating: 1000A @ 12VDC, 800A @ 24VDC (10 seconds)
- IP66
- Knob is removable in the OFF position
- 3 Terminals (2 x 3/8" Screws, 1 x 1/4" Blade)

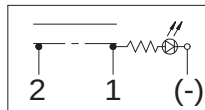


Mounting Specifications (mm)

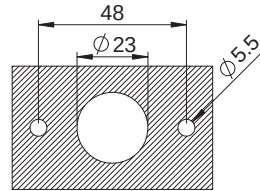
Battery Master Disconnect Switches (Lighted)



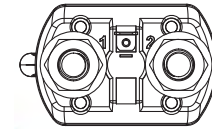
- LED lights up continuously at all positions when power is inputted from Terminal 1 and only at the ON position when power is inputted from Terminal 2
- Continuous Rating: 300A @ 12VDC, 150A @ 24VDC
- Intermittent Rating: 450A @ 12VDC, 225A @ 24VDC (5 minutes)
- Crank Rating: 1000A @ 12VDC, 800A @ 24VDC (10 seconds)
- IP66
- Ignition-Protected
- 3-Terminals
- Surface Mount
- Non-metallic, weather-resistant housing



Circuit Diagram



Mounting Specifications (mm)



Bottom View

Emergency Stop Switch

Push Button (Red LED Indicator)

*765229 **NEW**

- ON-OFF
- S.P.S.T
- 12-24VDC
- Knob is removable by turning it counter-clockwise from the OFF position
- 3 Terminals (2 x 3/8" Screws, 1 x 1/4" Blade)



*765229

(Top View)



765229
Red LED Indicator on
Actuator

Battery Master Disconnect Switch

Turn Lever (Red LED Indicator)

*765228 **NEW**

- ON-OFF
- S.P.S.T
- 12-24VDC
- Key is removable in the OFF position
- 3 Terminals (2 x 3/8" Screws, 1 x 1/4" Blade)



*765228

*765208 **NEW**

Replacement key for Part # 765214 & 765228

*765208B **NEW**

Same as above, except 25 PCS/PK



765228
Red LED Indicator on
Actuator

Battery Master Disconnect Switches

Turn Lever

- IP66
- Ignition-Protected
- 4-Hole Mount
- Non-metallic, weather-resistant housing
- Removable protective cap
- Key is removable in the OFF position



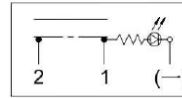
Removable Cap



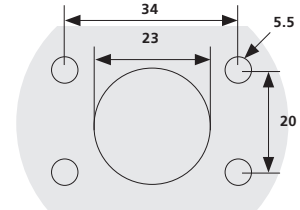
Removable Key



4 Mounting Holes



Circuit Diagram
(765214 only)



Mounting Specifications (mm)

G



*765214

Lighted Actuator (Red)



*765214 *NEW

- S.P.S.T
- ON-OFF
- LED lights up continuously at all positions when power is inputted from Terminal 1 and only at the ON position when power is inputted from Terminal 2
- 12-24VDC
- Continuous Rating: 300A @ 12VDC, 150A @ 24VDC
- Intermittent Rating: 450A @ 12VDC, 225A @ 24VDC (5 minutes)
- Crank Rating: 1000A @ 12VDC, 800A @ 24VDC (10 seconds)
- 3 Terminals (2 x 3/8" Screws, 1 x 1/4" Blade)



*765208



765214
Red LED Indicator
on Actuator

*765208 *NEW
*765208B *NEW

Replacement key for Part # **765214** & **765228**
Same as above, except 25 PCS/PK

Standard (Red, Non-Lit) Actuator

765218

- S.P.S.T
- ON-OFF
- 12VDC
- Continuous Rating: 350A @ 12VDC
- Intermittent Rating: 500A @ 12VDC (5 minutes)
- Crank Rating: 1000A @ 12VDC, 800A @ 24VDC (10 seconds)
- 2 x 3/8" Screw Terminals



765218

765217
765217B

Replacement key for Part # **765218**
Same as above, except 25 PCS/PK



765217

Master Disconnect Switches

Battery Master Disconnect Switches

Designed to disconnect all circuitry. Reduces the possibility of theft or accidental electrical fires and tampering. For battery circuits only. Does not disconnect from alternator or generator field circuit. For vehicles equipped with alternators, engines must be shut off to avoid potential damage to alternator diodes.

- S.P.S.T. • 6-36VDC • 2 x 3/8" Copper Alloy Stud Terminals • Individually sealed contacts
- Large die-cast lever for easier operation • One piece die-cast housing sealed with O-rings at base and mounting stem protects against dust and moisture
- Mounting stem: 3/8" Diameter, 1/2" Long with 2 Hex Nuts & Washers
- Fits panels up to 1/4" thick

Universal

- 765221** 200A Continuous-Duty, 1000A in Rush. Comes complete with polished aluminum face plate with black "OFF – ON" imprint
- 765221B** Same as **765221**, except 10PCS/PK

Face Plate for Universal Battery Master Disconnect Switch

- 765220** Face plate for use with **765221**. Polished aluminum face plate with black "OFF – ON" imprint. Overall diameter = 2.5", Hole diameter = 0.76", Thickness = 0.032"



765221

**FACEPLATE
INCLUDED**



765220

With 1/4" Anti-Rotation Index Post

- 765219** 180A Continuous-Duty, 1000A in Rush. Comes complete with polished aluminum face plate with black "OFF – ON" imprint



765219

**FACEPLATE
INCLUDED**

Master Disconnect Lock-Out Kit

- 765224** Flange Plate and Lever accepts a Padlock allowing user to securely lock a Disconnect Switch in the OFF position (thereby adhering to many safety regulations)



765224

Master Disconnect Switch & Lock-Out Set*

- 765216** Combination of the **765221** Disconnect Switch and **765224** Lock-Out kit
 *Padlock not included



765216



**Lock-Out Kit
with Padlock**

Activating Switches



779155



779165

Back-Up Alarms' Activating Switches

- 779155**
- Moisture-resistant
 - Designed for use on vehicles not equipped with Back-up Lamps
 - Mounts adjacent to gear shift
 - Spring loaded lever permits over-travel
 - Normally Off
 - 2.5A @ 12VDC (12-28VDC)
- 779165**
- **Full 360° multi-directional movement**
 - Moisture-resistant
 - Mounts adjacent to gear shift so that shifting into reverse will move the switch actuator arm sufficiently to make electrical contact
 - Normally Off
 - 5A @ 12VDC (12-28VDC)

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765284



765285

Horn Buttons

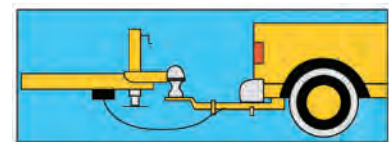
- 765284**
- S.P.S.T
 - Black plastic button
 - 2 position (ON-OFF)
 - Flat Surface Mounting (Mounting holes are 2 1/8" on centers)
 - Nickel plated housing
- 765285**
- S.P.S.T
 - Black plastic button
 - 2 position (ON-OFF)
 - Includes additional bracket for mounting on steering column
 - Flat Surface Mounting (Mounting holes are 2 1/8" on centers)
 - Chrome plated housing

Breakaway Switch

- 765223**
- Switch activates electric brakes if emergency cable pulls out of the connection. 12VDC systems. 48" coated high strength cable. Zinc-plated mounting bracket.
- Note: Not a substitute for safety chains**



765223



Solenoids

Solenoids

- S.P.S.T. • Continuous-Duty
- Normally Open Contacts (Normally OFF)
- OFF-ON

Steel Housing; 100A Continuous, 150A in Rush

Voltage	# of Studs	1 PC/PK	10 PCS/PK
12V	3	*765202	*765202B



*765202

Steel Housing; 85A Continuous, 150A in Rush

Voltage	# of Studs	1 PC/PK	10 PCS/PK
12V	4	765204	765204B
24V	4	765203	765203B



765204



765203

Coated Steel Housing; 100A Continuous, 150A in Rush

Voltage	# of Studs	1 PC/PK
12V	4	765206

UL Listed



765206



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Trombetta Solenoids



- SPST (Single Pole, Single Throw)
- Normally Open Contacts (Normally Off)
- OFF-ON
- Plastic Housing
- IP67 (Water & Dust Ingress Protection)

- 5/16-24 Contact Studs, 10-32 Studs Coil Terminals
- Mount only with the studs up or parallel with the terrain, never down
- Also known as DC Contactors

- Do not exceed the maximum torque ratings on the item label
- **Note:** Continuous-Duty & Intermittent-Duty are not interchangeable

150A Continuous-Duty, 800A in Rush, Non-Grounded

Voltage	Bracket Type	1 PC/PK	12 PCS/PK	Trombetta #
12VDC	Flat Bracket	*765198	*765198B	684-1221-012

150A Intermittent-Duty, 800A in Rush, Non-Grounded

Voltage	Bracket Type	1 PC/PK	12 PCS/PK	Trombetta #
12VDC	Flat 'L' Bracket	*765201	*765201B	684-1251-212

150A Intermittent-Duty, 800A in Rush, Non-Grounded

Voltage	Bracket Type	1 PC/PK	12 PCS/PK	Trombetta #
12VDC	Curved, Narrow 'L' Bracket	*765196	*765196B	684-1261-212

TROMBETTA 



*765198
(Flat Bracket)



*765201
(Flat 'L' Bracket)



*765196
(Curved, Narrow 'L' Bracket)

Relays

i

Selecting the Correct Relay

"Form A" (SPST): Contacts are normally open when the coil of the relay is not energized or there is no magnetic field nearby in a reed switch.

"Form C" (SPDT): Contains 3 leads and would have 1 normally open and 1 normally closed circuit. This is also called a "changeover" device because the common contact changes from the normally closed position to the normally open position when the coil is energized in a Relay or a magnetic field is nearby.

SPST Single Pole, Single Throw
SPDT Single Pole, Double Throw

Note: Non-Sealed Relays are supplied with a snap-in bracket
 Relays without seals can be used with or without the bracket.

Contacts: Normally Open (NO), Normally Closed (NC)

Contact Material: Silver alloy

Voltage: 12, 24 VDC

Amperage: N.O. 20A N.C. 15A

N.O. 40A N.C. 30A

N.O. 70A N.C. 60A

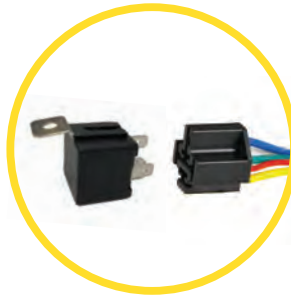
Relays



Relays with 5-pin pigtails



764408



764409



764410

Pigtail for 5-Pin Relays

764410 Universal, 5-wire pigtail connector for 5-pin relays. Red & White wires are 18GA. Blue, Green & Yellow wires are 16GA.

764410B Same as 764410, except 10 pieces per pack

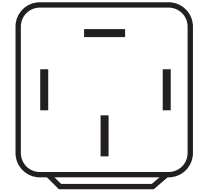
Relays



Relays – 12VDC

12VDC, SPST, 40A/30A

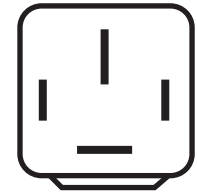
Voltage (DC)	Form 'A'	Amperage		Suppressor Type	Bracket	Sealed	1 PC/PK
		Normally Open	Normally Closed				
12	SPST	40A	30A	Diode	✓		*765984
12	SPST	40A	30A	None	✓		*765985
12	SPST	40A	30A	Resistor	✓		*765986



4 x 1/4" Terminals

12VDC, SPST, 70A/60A

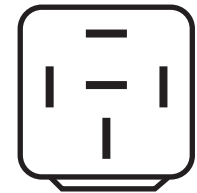
Voltage (DC)	Form 'A'	Amperage		Suppressor Type	Bracket	Sealed	1 PC/PK
		Normally Open	Normally Closed				
12	SPST	70A	60A	Diode	✓		*765987
12	SPST	70A	60A	None	✓		*765988
12	SPST	70A	60A	Resistor	✓		*765989



2 x 1/4" & 2 x 3/8" Terminals

12VDC, SPDT, 40A/30A

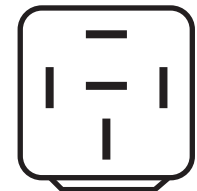
Voltage (DC)	Form 'C'	Amperage		Suppressor Type	Bracket	Sealed	1 PC/PK	25 PCS/PK
		Normally Open	Normally Closed					
12	SPDT	40A	30A	Diode		✓	*765993	*765993Q
12	SPDT	40A	30A	Diode	✓		*765994	–
12	SPDT	40A	30A	None	✓		*765995	*765995Q
12	SPDT	40A	30A	Resistor	✓		*765996	*765996Q



5 x 1/4" Terminals

12VDC, SPDT, 40A/30A (With 5-Pin Pigtail)

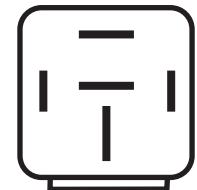
Voltage (DC)	Form 'C'	Amperage		Suppressor Type	Bracket	Sealed	C/W 5-Pin Pigtail	1 PC/PK
		Normally Open	Normally Closed					
12	SPDT	40A	30A	None	✓		✓	764408
12	SPDT	40A	30A	Resistor	✓		✓	764409



5 x 1/4" Terminals

12VDC, SPDT, 70A/60A

Voltage (DC)	Form 'C'	Amperage		Suppressor Type	Bracket	Sealed	1 PC/PK
		Normally Open	Normally Closed				
12	SPDT	70A	60A	Diode	✓		*765997
12	SPDT	70A	60A	None	✓		*765998
12	SPDT	70A	60A	Resistor	✓		*765999

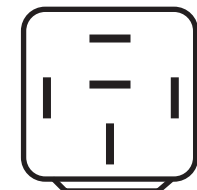


2 x 1/4" & 3 x 3/8" Terminals

Relays – 24VDC

24VDC, SPDT, 20A/15A

Voltage (DC)	Form 'C'	Amperage		Suppressor Type	Bracket	Sealed	1 PC/PK	25 PCS/PK
		Normally Open	Normally Closed					
24	SPDT	20A	15A	Diode	✓		*765990	–
24	SPDT	20A	15A	None	✓		*765991	*765991Q
24	SPDT	20A	15A	Resistor	✓		*765992	*765992Q



5 x 1/4" Terminals

Looking for More Switches?

Sub-Mini and Miniature Toggles



Medium Duty Toggles



Heavy Duty Toggles



Miniature Rockers



Standard Appliance Rockers



Lighted Appliance Rockers



Round Rockers



Looking for More Switches?

Sub-Mini and Miniature Pushbuttons



Standard Pushbuttons



If you are looking for a switch that you don't see in this catalogue, we have lots more from which to choose. Check out the Techspan Industries Wire Management Products, Cole Hersee or Pollak catalogues.

Lighted Pushbuttons



Tactile Pushbuttons



Sub-Miniature Snap Action



Miniature Snap Action



General Purpose Snap Action



Keylock Switches



Rotary Switches



Slide Switches



Specialty Switches



Switch Accessories



DIP Switches



G

Trailer & RV Connectors

***NEW**

What's New?

- 2-Pole Trailer Connectors
- Expanded offering on:
 Molded Connectors
- Trailer Connector Plug Cleaners



6-Pole Trailer Connectors (Heavy-Duty)



4-Pole Trailer Connectors



7-Pole Trailer Connectors (Heavy-Duty)



Trailer Connector Accessories



7-Pole & 9-Pole RV Connectors



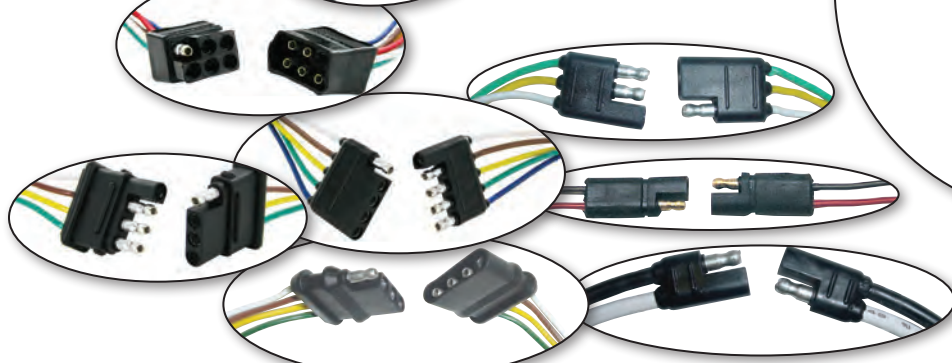
RV Connector Adapters



2-Pole Connectors



Electrical Testers



Molded Connector Assemblies

Molded Connector Assemblies

- Available in various 2-pole, 3-pole, 4-pole, 5-pole & 6-pole configurations
- Complete assemblies
- Colour-coded for easy installation
- Molded weather-resistant PVC bodies for all-round protection and durability
- Polarized for proper mating of circuits
- Terminals are precision aligned for maximum current carrying capacity and ease of connecting and disconnecting
- For cars, trucks, trailers, boats, RVs

2-Pole (Flat-Type)

Poles	GA Size	Length	Colours	1 PC/PK	25 PCS/PK
2	16GA	12" (305mm)	Black, Red	*764204	*764204B
2	16GA	24" (610mm)	Black, Red	764201	764201B
2	16GA	44" (1117mm)	Black, Red	764200	764200B
2	10GA	12" (305mm)	Black, White	764202	764202B

*NEW



2-Pole (Flat-Type)

3-Pole (Flat-Type)

Poles	GA Size	Length	Colours	1 PC/PK	25 PCS/PK
3	16GA	24" (610mm)	Green, White, Yellow	764228	764228B
3	16GA	48" (1220mm)	Green, White, Yellow	*764231	*764231B

*NEW



3-Pole (Flat-Type)

4-Pole (Flat-Type)

Poles	GA Size	Length	Colours	1 PC/PK	25 PCS/PK
4	18GA	24" (610mm)	Brown, Green, White, Yellow	764135	
4	16GA	12" (305mm)	Brown, Green, White, Yellow	*764003	*764003B
4	16GA	24" (610mm)	Brown, Green, White, Yellow	764000	764000B
4	16GA	48" (1220mm)	Brown, Green, White, Yellow	*764004	*764004B
4	16GA	25FT (7.62m)	Brown, Green, White, Yellow	764001	

*NEW

*NEW



4-Pole (Flat-Type)

4-Pole Electrical Tester

764002 Tests 4-Pole 'Flat-Type' connections for conductivity and viability of circuits



764002

5-Pole (Flat-Type)

Poles	GA Size	Length	Colours	1 PC/PK	25 PCS/PK
5	16GA	12" (305mm)	Blue, Brown, Green, White, Yellow	764203	764203B



5-Pole (Flat-Type)

6-Pole (Square-Type)

Poles	GA Size	Length	Colours	1 PC/PK	25 PCS/PK
6	16GA	24" (610mm)	Blue, Brown, Green, Red, White, Yellow	764133	764133B



6-Pole (Square-Type)

Trailer Connectors

7-Pole Connectors



- Continuous-Duty
- 40 amps continuous duty @ 6-28 VDC
- Meets & exceeds all rigid anti-skid standards of FMVSS-121, SAE J560 & ISO 1185. (SAE applies only to Solid Pin versions)
- Accepts the widest ranges of wires (16GA to 8GA)
- Optimum slant mount & drain slot rid's housing interior of moisture
- Recommended Mounting Hole is 2" diameter
- Zinc Die-Cast Units are self-grounding (to #1 Ground Terminal)
- Available in Zinc Die-Cast Housing & Glass Filled Nylon
- High impact molded insulators have wire codes permanently molded into them for easy identification

Recommended Wire Gauge for 7-Pole Trailer Connections

#	Colour	Wire Ga	FMVSS 121 Anti-Lock Gauge	Description/Circuit
1	White	10	8	Ground Return
2	Black	12	12	Clearance, Side Marker & ID Lamps
3	Yellow	12	12	Left Turn & Hazard Signal
4	Red	12	10	Stop Lamps & Anti-Lock Devices
5	Green	12	12	Right Turn Signal & Hazard Signal
6	Brown	12	12	Tail, Rear Clearance Marker & Licence Plate Light
7	Blue	12	12	Auxiliary Circuit/ABS Power

764024



7-Pole Connectors (Zinc Die-Cast)

- Made in North America

Complete Assembly

Description	1 PC/PK
Plug & Socket (Split Pins, Wire Insertion Style)	764024

H



764026



764062



764029

Plugs

Description	1 PC/PK	25 PCS/PK
Plug	764026	
Plug with Cable Protector	764062	764062B
Plug with Cable Protector & Weather-Beater	764029	



764025



764027

Sockets (Wire Insertion Style)

Description	1 PC/PK	25 PCS/PK
Socket (Split Pins)	764025	764025B
Socket (Solid Pins)	764027	

Trailer Connectors

7-Pole Connectors (Zinc Die-Cast)

• Made in Taiwan

Plugs

Description	1 PC/PK	25 PCS/PK	
Plug with Cable Protector	*564062	*564062B	*NEW



*564062 (front and back)

Sockets (Wire Insertion Style)

Description	1 PC/PK	25 PCS/PK	
Socket (Split Pins)	*564025	*564025B	*NEW



*564025 (front and back)

7-Pole Connectors (Glass Filled Nylon)

Plugs

Description	1 PC/PK
Plug	764030
Plug with Cable Protector	764031
Plug with Cable Protector & Weather-Beater	764032

Socket (Wire Insertion Style)

Description	1 PC/PK
Socket (Solid Pins)	764033



HD 7-Pole Connectors (Glass Filled Nylon Housing)

7-Pole Connectors' (Replacement Parts & Accessories)

7-Pole Trailer Connector Tester

764022 Tests 7-Pole Trailer Connector Sockets for conductivity and viability of circuits

7-Pole Plug Cleaner

764220 Helps eliminate poor electrical connections due to corroded trailer terminals. Facilitates both plug & socket cleaning. Fast and easy to use!

7-Pole Rubber Boot

764071 Flexible rubber boot provides weather-proof protection at rear of 7-pole socket. Fits **764025, 764027, 764033, 564025**

7-Pole Interior Plug

764054 7-pole plug interior for **764026, 764029, 764030, 764031, 764032, 764062**. Supplied with mounting screw.



Trailer Connectors



764009



764011



764015



764018

6-Pole Trailer Connectors (Heavy-Duty)



764074



*764221

Replacement Parts & Accessories for 6-Pole Trailer Connectors (Heavy-Duty)

6-Pole Connectors

- Die cast construction
- Keyed high impact molded insulators
- Mounts through hole approximately 1-3/8" in diameter
- Special socket housing design conceals and protects connectors against road splash, dirt, etc.
- 12-24V, 35 amp

Recommended Wire Gauge for 6-Pole Trailer Connections

Code	Colour	Description/Circuit
GD	White	Ground Return
TM	Brown	Tail Lights
LT	Yellow	Left Turn Signal
S	Red	Stop and/or Electric Brake
RT	Green	Right Turn Signal
A	Blue	Auxiliary Circuit (Centre)

6-Pole Trailer Connectors (Heavy-Duty)

6-pole Connector. Complete Assemblies (Socket & Plug)

Description	1 PC/PK
Die Cast (764009 & 764011)	764015
Die Cast with cable protector (764009 & 764013)	764018

6-pole Connector Sockets

Description	1 PC/PK	25 PCS/PK
Die Cast (Split Pins)	764009	764009B

6-pole Connector Plugs

Description	1 PC/PK	25 PCS/PK
Die Cast	764011	764011B
Die Cast with cable protector	764013	

Heavy-Duty 6-Pole Connectors (Replacement Parts & Accessories)

Rubber Boot

764074 Flexible rubber boot provides weather-proof protection at rear of 6-pole socket. Fits 764009.

6-Pole Plug Cleaner

***NEW * 764221** Helps eliminate poor electrical connections due to corroded trailer terminals. For Plugs & Sockets

2-Pole Connectors

- Zinc Die-Cast • 12VDC, 200A



2-Pole Trailer Connectors

Description	1 PC/PK	25 PCS/PK	
Plug with Cable Protector	*764034	*764034B	*NEW
Socket (Solid Pins)	*764035	*764035B	*NEW



*764034 (front and back)



*764035 (front and back)

Trailer Connectors

4-Pole Connectors

- Die cast construction
- Keyed high impact molded insulators
- Mounts through hole approximately 1-3/8" in diameter
- Special socket housing design conceals and protects connectors against road splash, dirt, etc.
- 12-24V, 35 amp

Recommended Wire Gauge for 4-Pole Trailer Connections

Code	Colour	Description/Circuit
W	White	Ground Return
G	Green	Right Turn & Brake Lights
Y/R	Yellow/Red	Left Turn & Brake Lights
B	Brown	Tail Lights

Heavy-Duty 4-Pole Connectors

4-pole Connector Complete Assemblies (Socket & Plug)

Description	1 PC/PK
Die Cast (764020 & 764021)	764019

4-pole Connector Sockets

Description	1 PC/PK
Die Cast (Split Pins)	764020

4-pole Connector Plugs

Description	1 PC/PK
Die Cast	764021
Die Cast with cable protector	764023

Medium-Duty 4-Pole Connectors

- Die cast construction (Chrome Plated)
- High impact insulators
- Mounts through hole approximately 1" in diameter
- 12-24V, 20 amp

4-pole Connector Complete Assemblies (Socket & Plug)

Description	1 PC/PK
Die Cast (764016 & 764017)	764014

4-pole Connector Sockets

Description	1 PC/PK
Die Cast (Split Pins)	764016

4-pole Connector Plugs

Description	1 PC/PK
Die Cast	764017

4-Pole Plug Cleaner

***NEW *764222** Helps eliminate poor electrical connections due to corroded trailer terminals. For Plugs & Sockets



Heavy-Duty 4-Pole Connector



Medium-Duty 4-Pole Connector (Socket and Plug)



*764222



If you are looking for a Trailer Connector that you don't see in this catalogue, we have lots more from which to choose. Check out the Cole Hersee or Pollak catalogues!

RV Connectors

- 6-24 Volt Systems
- Plastic construction eliminates rusting and difficulty in plug removal and also improves appearance
- Dual grips allow for easier plug removal
- Vinyl Inserts helps keep out dirt and moisture
- Safety Latch prevents damage from accidental pull-away
- Mounts through hole approximately 2" in diameter
- Sockets feature 4 Mounting Holes for extra secure installation
- Non-corroding, shock-resistant interiors with unique terminal re-enforcer dams eliminate short-circuiting by preventing contact from spreading
- Available in 7-pole & 9-pole
- Colour-coded to RVI standards

7-Pole RV Connectors

Recommended Configurations/Wire Gauge for 7-Pole RV Connections

#	Colour	Wire GA	Description/Circuit
1	White	10	Ground Return
2	Blue	12	Electric Brake
3	Green	14	Tail, License & Running Lights
4	Black	10	Battery Charge
5	Red	14	Stop & Left Turn Signal
6	Brown	14	Stop & Right Turn Signal
7	Yellow	14	Auxiliary Circuit

7-Pole RV Connectors

Description	1 PC/PK	25 PCS/PK
Trailer End (Plug)	764140	764140B
Car/Towing Vehicle End (Socket)	764141	764141B



764140



764141

7-Pole RV Connectors (Plug & Socket)

9-Pole RV Connectors

Recommended Configurations/Wire Gauge for 9-Pole RV Connections

#	Colour	Wire GA	Description/Circuit
1	White	8	Ground Return
2	Blue	12	Electric Brake
3	Green	14	Tail, License & Running Lights
4	Black	8	Battery Charge
5	Red	14	Stop & Left Turn Signal
6	Brown	14	Stop & Right Turn Signal
7	Yellow	14	Back-up, Auxiliary Ground or Circuit
8	Grey	12	Auxiliary Circuit
9	Orange	14	Reefer (Tag) or Stop

9-Pole RV Connectors

Description	1 PC/PK
Trailer End (Plug)	764150
Car/Towing Vehicle End (Socket)	764151



764150



764151

9-Pole RV Connectors (Plug & Socket)

RV Connector Accessories



764142



764149

RV Connector Mounting Bracket

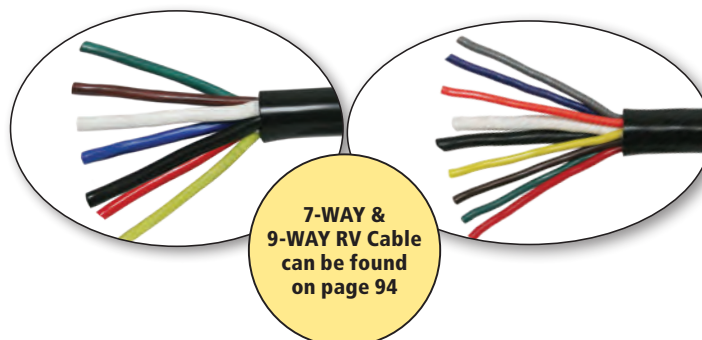
Right angle mounting bracket is designed to mount RV connector sockets onto the car/towing vehicle. Mounting hardware included.

764142 Black epoxy coated to help protect against corrosion and rust

Electrical Tester

7-Pole RV Connector Tester

764149 Tests 7-Pole RV connections for conductivity and viability of circuits



RV Connector Adapters

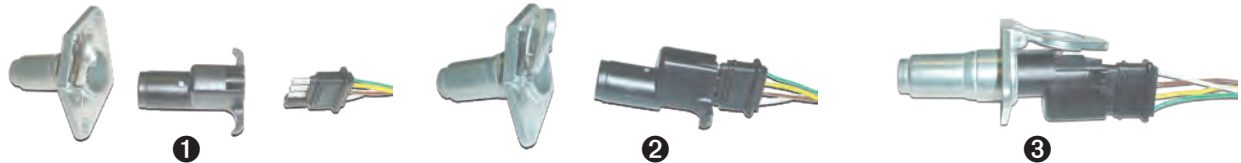
RV Connector Adapters



764145

764145 Converts 6-Pole (Round) to 4-Pole (Flat)

Adapter connects in 3 easy steps!



6-Pole to 4-Pole RV Connector Adapter



764148

764148 Converts 7-Pole (RV-Style, Round) to 4-Pole (Flat)

764148B Same as 764148 except 25 pieces per pack

Adapter connects in 3 easy steps!



7-Pole to 4-Pole RV Connector Adapter

H



764146/764147

764146 Converts 7-Pole (RV-Style, Round) to 6-Pole (Round).
Auxiliary Pin in Centre

764147 Converts 7-Pole (RV-Style, Round) to 6-Pole (Round).
Brake Pin in Centre

Adapter connects in 3 easy steps!



7-Pole to 6-Pole RV Connector Adapter

Circuit Protection Products

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Circuit Protection Devices

Circuit protection devices are used to protect wires and electrical components from being damaged by excess current flow caused by an overload or a short-circuit electrical fault. Excess current flow causes excess heat, which is detected by circuit protection devices causing them to open the circuit preventing further over-current to flow.

Fuses, fuse elements, fusible links and circuit breakers are all examples of circuit protection devices. Circuit protection devices are available in a variety of types, shapes, and current ratings.

Fuses

Fuses are the most common protection devices in automobile applications. A fuse contains a thin metal element that melts away when it is heated by excessive current flow consistent with an overload or short circuit electrical fault. When the fuse element melts, it interrupts the electrical circuit to open, preventing further over-current flow. A fuse is often said to have "blown" when its element melts. When a fuse element melts it must be replaced with a new one.



Fuse Types

Fuses are classified into basic categories: blade/plug-in type, glass type, cartridge type and bolt-on/stud mount type fuses. There are several variations of each that are used.

Blade type fuses are the most commonly used circuit protection device. There are different types of blade

fuses that exist; Maxi, Standard, Mini, Micro and even those have different options (Low Profile, LED, 2 & 3-Blade). These are all colour coded to facilitate amperage identification.

Circuit Breakers

While circuit breakers are less common in automotive applications, they are often used instead of fuses for the protection of complicated power circuits such as the power windows, sunroofs and heater circuits. Like fuses, circuit breakers react to the heat generated by an overload or short circuit fault. Instead of melting a fuse element, the bi-metal in the circuit bends as the heat increases, ultimately opening the circuit and interrupting the current flow. Depending on the "type" of circuit breaker used, it resets automatically after the bi-metal has cooled and returns to its original state, or manually by pressing a button or toggling a lever.

Circuit breakers are usually located in relay/fuse boxes; however, some components like power window motors have circuit breakers built in.

Fuses vs Circuit Breakers

Fuses and circuit breakers have different advantages and disadvantages that automotive engineers must consider for the specific circuit application they are designing. Fuses are less costly, whereas circuit breakers are more convenient for the end user. However, from an aftermarket perspective, normally a fuse will be replaced by a similar fuse, and a circuit breaker by a similar circuit breaker.



Introducing... **FUSETEK**

Eco-Friendly Packaging for our Circuit Protection Products



Techspan Circuit Protection Products are packaged in Canada



Circuit Breakers/Protection, Fuses/Fuse Products

CIRCUIT BREAKERS/PROTECTION, PAGES 214-223, 252 | FUSES/FUSE PRODUCTS, PAGES 226-249, 253-268

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Understanding Type 1, Type 2 & Type 3 Circuit Breakers

Type 1	Automatic Reset	Cycles continuously during a current overload. The composite alloy material will bend & separate the contacts when an overcurrent situation occurs and return to the run mode as it cools. This process will continue until the source of the overload is removed or corrected.
Type 2	Modified Reset	Unlike Type 1, Type 2 circuit breakers have an additional resistive component built into it that raises the ambient temperature within the circuit breaker. This limits the number of cycles (less than 10) by not allowing the composite alloy to cool and reset the circuit. The circuit will remain open with less than 1A current flow as long as voltage is applied.
Type 3	Manual Reset	Introduces a non-current carrying object between the contacts when the contacts are open. To reset the contacts, an external button or lever must be activated to return to normal operation.

Quick Disconnect Blade Terminals or Stud Terminals... which connection is better for your application?

Terminal Type	Description	Typical Applications
Quick Disconnect/Blade Terminals	2 x .250" Tab	Buses, Conversions, Off-Road, RV. Also known as "Plug-In Circuit Breakers"
Stud Terminals with Lock Washer & Nut	2 x #10-32	High vibration and cramped areas

Metal Housing or Plastic Housing

SHORTING OUT: If a wire should loosen from a terminal on a circuit breaker made with a plastic housing, it will not short-circuit against the housing as it could do with a circuit breaker made with a metal housing.

VIBRATION: Plastic housings with mounting brackets are one-piece molded and are less prone to vibration. Metal housings with mounting brackets are of two-piece design where the bracket is attached by spot welding and can be loosened by constant vibration.

WEIGHT: Circuit breakers made with plastic housings versions weigh less than those made of metal housing.

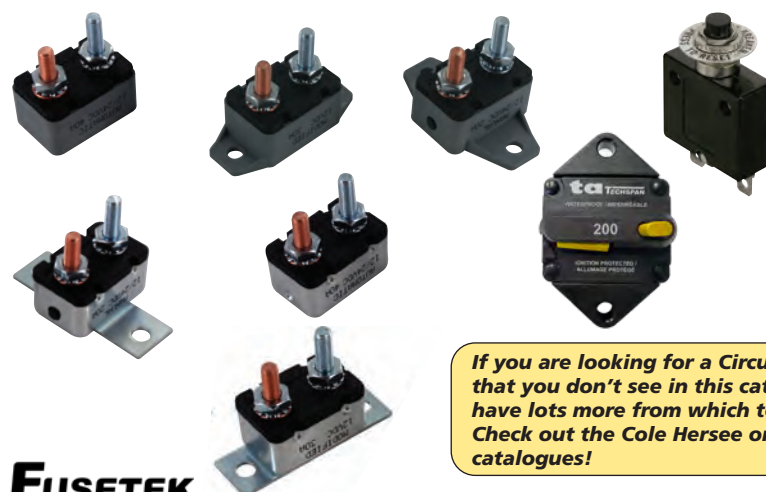
Typical Applications for Circuit Breakers

- Accessory Circuits
- Door locks
- Sunroof
- Trailer package
- Cooling fans
- Headlamps
- Tail lamps
- Window Lifts

***NEW**

What's New?

- Expanded coverage on our High Amp Circuit Breakers
- Circuit Breaker Accessories (Mounting Bracket, Gasket, Boot)
- Thermal Circuit Breaker
- Blade Fuse-Type Circuit Breakers



FUSETEK

If you are looking for a Circuit Breaker that you don't see in this catalogue, we have lots more from which to choose. Check out the Cole Hersee or Pollak catalogues!



Circuit Breakers

High Amperage Circuit Breakers

High Amperage Circuit Breakers are typically used in auxiliary and accessory circuits for Trucks, Buses, RVs and Marine applications (Maximum 42VDC). Other applications may include battery charger systems as well as DC audio systems. Rated at **IP67**, they also contain stud insulators to protect from dust, dirt and moisture. Housings are manufactured with Thermoset plastic (UL rated 94VO) 155°C (311°F). Manual Reset Circuit Breakers feature a unique and simple reset mechanism that also provides an easy indication of an open circuit... the lever becomes visible. Compliant to SAE J1625. Ignition protected.

Temperature Ratings:

Operating: -32°C (-25°F) to 82°C (180°F)
Storage: -34°C (-30°F) to 149°C (300°F)



We are transitioning to a new look!



High Amperage Circuit Breakers/Manual Reset/Surface Mount

Manual Reset (Type 3), Surface Mount

Amperage	Stud Size	1 PC/PK	10 PCS/PK
50A	1/4"	566018	566018B
60A	1/4"	566019	566019B
70A	1/4"	566024	566024B
80A	1/4"	566025	566025B
100A	1/4"	566026	566026B
120A	1/4"	566027	566027B
135A	1/4"	566028	566028B
150A	1/4"	566029	566029B
200A	3/8"	566017	566017B
250A	3/8"	*566012	*566012B <i>*NEW</i>
300A	3/8"	*566037	*566037B <i>*NEW</i>



We are transitioning to a new look!



High Amperage Circuit Breakers/Manual Reset/Panel Mount

Manual Reset (Type 3), Panel Mount

Amperage	Stud Size	1 PC/PK
50A	1/4"	566283
60A	1/4"	566284
70A	1/4"	566285
80A	1/4"	566286
100A	1/4"	566287
120A	1/4"	566288
135A	1/4"	566289
150A	1/4"	566290
200A	3/8"	566291

Circuit Breakers

High Amperage Circuit Breakers

Auto Reset (Type 1), Surface Mount

Amperage	Part#
50A	566274
60A	566275
70A	566276
80A	566277
100A	566278
120A	566279
135A	566280
150A	566281



High Amperage Circuit Breakers/Auto Reset/Surface Mount

In Development

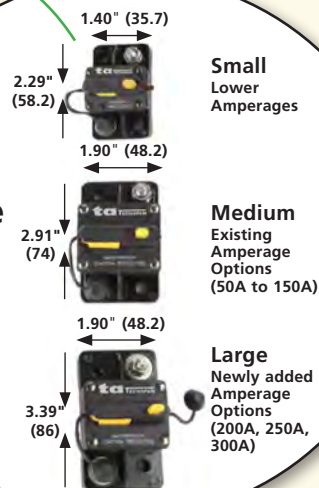
Terminals on the Same Side



High Amp Circuit Breakers with Terminals on the same side
(Where space for terminal installation is cramped)

IN DEVELOPMENT

Surface Mount:
Inch (MM)



LED Indicator



Panel Mount

Surface Mount

High Amp Circuit Breakers with LED Indicator on the Push Button

Panel Mount:



Horizontal

LED Indicator

Circuit Breakers



Thermal Circuit Breakers

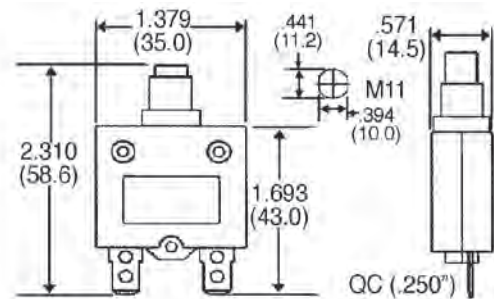
Thermal Circuit Breakers

- Maximum 32VDC
- Black Plastic Button
- Requires 0.450" Mounting Hole
- Includes Knurling Nut & Identification Plate

- 1/4" Terminals
- Interrupting capacity: 2500A @ 32 VDC, 1000A @ 125VAC, 500A @ 250VAC
- Operating Temperature: -10°C to 60°C
- CSA & UL Approved

Manual Reset, Thermal Circuit Breakers

Amperage	Part#	Previous Techspan#
3A	766522	*35-2103
4A	766523	*35-2104
5A	766524	*35-2105
6A	766525	*35-2106
7A	766526	*35-2107
8A	766527	*35-2108
10A	766528	*35-2110
12A	766529	*35-2112
15A	766530	*35-2115
20A	766531	*35-2120
25A	766532	*35-2125
30A	766533	*35-2130
35A	766534	*35-2135
40A	766535	*35-2140



Thermal Circuit Breakers Trip Times

Rated Load	3 to 4 Amp Trip Times	5 to 40 Amp Trip Times
100%	No Trip	No Trip
145%	Trip in 1 Hour	—
150%	—	Trip in 1 Hour
200%	10 to 45 Sec.	5.0 to 35 Sec.
300%	—	1.5 to 9.0 Sec.
400%	3.0 to 14.0 Sec.	0.9 to 5.5 Sec.
500%	—	0.5 to 3.5 Sec.
600%	1.4 to 7.0 Sec.	0.3 to 2.8 Sec.
800%	0.75 to 4.3 Sec.	—
1000%	0.50 to 3.4 Sec.	—

Circuit Breaker Accessories

Mounting Bracket

*766299 Mounting Bracket for Surface & Panel Mount High Amperage Circuit Breakers. 1PC/PK



*766299

Gasket

*766298 Gasket for Panel Mount High Amperage Circuit Breakers. 2 PCS/PK



*766298

Boot

*766521 Clear Silicone Boot for Stud Mount Circuit Breakers. 2 PCS/PK



*766521

Circuit Breakers

Circuit Breakers (Stud Terminal)

- Universal
- 2 x #10-32 Stud Terminals
- Conforms to SAE J553

Temperature Ratings:
Operating: -23°C (-9°F) to 65°C (149°F)
Storage: -29°C (-20°F) to 93°C (199°F)

Note: Contrary to the Auto & Manual Reset versions, where a 24V Circuit Breaker can be used in a 12V application, the specified voltage of a Modified Reset Circuit Breakers must match the voltage of the application. For example, 12V Circuit Breakers for 12V applications. Contact Techspan if you require other voltages.

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Plastic (Grey) Housing



TYPE 1



TYPE 2



TYPE 3

• Auto Reset • 6-24VDC

Amperage	Part#
6A	766600
8A	766601
10A	766602
15A	766603
20A	766604
25A	766605
30A	766606
40A	766607
50A	766608

• Modified Reset • 12VDC

Amperage	Part#
6A	766627
8A	766628
10A	766629
15A	766630
20A	766631
25A	766632
30A	766633
40A	766634
50A	766635

• Manual Reset • 6-24VDC

Amperage	Part#
6A	766654
8A	766655
10A	766656
15A	766657
20A	766658
25A	766659
30A	766660
40A	766661
50A	766662

Plastic (Grey) Housing with 'Inline' Mounting Bracket



TYPE 1



TYPE 2



TYPE 3

• Auto Reset • 6-24VDC

Amperage	Part#
6A	766609
8A	766610
10A	766611
15A	766612
20A	766613
25A	766614
30A	766615
40A	766616
50A	766617

• Modified Reset • 12VDC

Amperage	Part#
6A	766636
8A	766637
10A	766638
15A	766639
20A	766640
25A	766641
30A	766642
40A	766643
50A	766644

• Manual Reset • 6-24VDC

Amperage	Part#
6A	766663
8A	766664
10A	766665
15A	766666
20A	766667
25A	766668
30A	766669
40A	766670
50A	766671

Plastic (Grey) Housing with 90° (Cross) Mounting Bracket



TYPE 1



TYPE 2



TYPE 3

• Auto Reset • 6-24VDC

Amperage	Part#
6A	766618
8A	766619
10A	766620
15A	766621
20A	766622
25A	766623
30A	766624
40A	766625
50A	766626

• Modified Reset • 12VDC

Amperage	Part#
6A	766645
8A	766646
10A	766647
15A	766648
20A	766649
25A	766650
30A	766651
40A	766652
50A	766653

• Manual Reset • 6-24VDC

Amperage	Part#
6A	766672
8A	766673
10A	766674
15A	766675
20A	766676
25A	766677
30A	766678
40A	766679
50A	766680

Circuit Breakers

Circuit Breakers (Stud Terminal)

- Universal
- 2 x #10-32 Stud Terminals
- Conforms to SAE J553

Temperature Ratings:

Operating: -23°C (-9°F) to 65°C (149°F)
Storage: -29°C (-20°F) to 93°C (199°F)

Note: Contrary to the Auto & Manual Reset versions, where a 24V Circuit Breaker can be used in a 12V application, the specified voltage of a Modified Reset Circuit Breakers must match the voltage of the application. For example, 12V Circuit Breakers for 12V applications. Contact Techspan if you require other voltages.

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Metal Housing



TYPE 1

• Auto Reset • 6-24VDC

Amperage	Part#
6A	766681
8A	766682
10A	766683
15A	766684
20A	766685
25A	766686
30A	766687
40A	766688
50A	766689



TYPE 2

• Modified Reset • 12VDC

Amperage	Part#
6A	766708
8A	766709
10A	766710
15A	766711
20A	766712
25A	766713
30A	766714
40A	766715
50A	766716



TYPE 3

• Manual Reset • 6-24VDC

Amperage	Part#
6A	766735
8A	766736
10A	766737
15A	766738
20A	766739
25A	766740
30A	766741
40A	766742
50A	766743

Metal Housing with 'Inline' Mounting Bracket



TYPE 1

• Auto Reset • 6-24VDC

Amperage	Part#
6A	766690
8A	766691
10A	766692
15A	766693
20A	766694
25A	766695
30A	766696
40A	766697
50A	766698



TYPE 2

• Modified Reset • 12VDC

Amperage	Part#
6A	766717
8A	766718
10A	766719
15A	766720
20A	766721
25A	766722
30A	766723
40A	766724
50A	766725



TYPE 3

• Manual Reset • 6-24VDC

Amperage	Part#
6A	766744
8A	766745
10A	766746
15A	766747
20A	766748
25A	766749
30A	766750
40A	766751
50A	766752

Metal Housing with 90° (Cross) Mounting Bracket



TYPE 1

• Auto Reset • 6-24VDC

Amperage	Part#
6A	766699
8A	766700
10A	766701
15A	766702
20A	766703
25A	766704
30A	766705
40A	766706
50A	766707



TYPE 2

• Modified Reset • 12VDC

Amperage	Part#
6A	766726
8A	766727
10A	766728
15A	766729
20A	766730
25A	766731
30A	766732
40A	766733
50A	766734

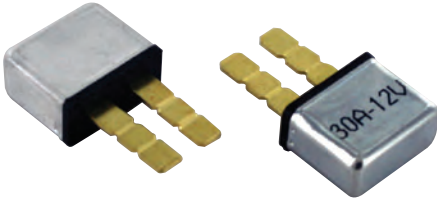


TYPE 3

• Manual Reset • 6-24VDC

Amperage	Part#
6A	766753
8A	766754
10A	766755
15A	766756
20A	766757
25A	766758
30A	766759
40A	766760
50A	766761

Circuit Breakers



Circuit Breaker (Blade Terminals)

Circuit Breakers (Blade Terminal)

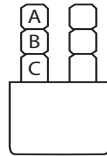
- 12VDC • Universal
- Metal Housing • Auto Reset
- Grooved terminals for easy size adjustment according to vehicle manufacturer requirements
- Heavy-duty replacement for standard blade fuses
- Conforms to SAE J553

Amperage	1 PC/PK	25 PCS/PK
10A	766070	766070B
15A	766071	766071B
20A	766072	766072B
25A	766067	766067B
30A	766073	766073B
40A	766068	766068B

Save time
& money
replacing
burnt-out
fuses



Vehicle Replacement Guide



Terminal Position	Manufacture
Terminal Position A	Ford Pickup Trucks
Terminal Position B	Dodge Trucks Ford Trucks (Heavy) Navistar (IHC) Trucks
Terminal Position C	Kenworth Trucks

Blade Type Circuit Breaker & Fuse Panels

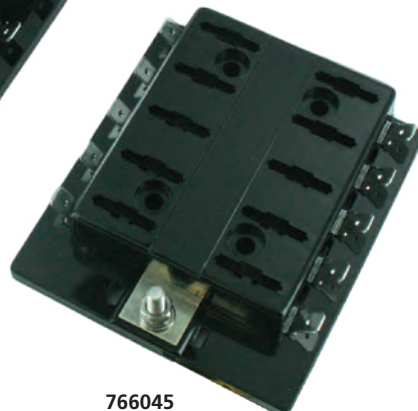
- For Blade Terminal Circuit Breakers & Standard Blade Fuses
- 0.250" Tab Blade Terminals
- #10-32 stud terminal with hex nut, flat washer and lock washer (Tin plated Copper)
- 4 x 5.5mm diameter mounting holes for #10 screws
- Dimensions: 3.38" W x 0.81" H
- Rugged, yet compact & lightweight construction (thermoplastic)
- Maximum amperage per circuit: 25A
- Maximum amperage per block: 100A
- Maximum Voltage: 32VDC



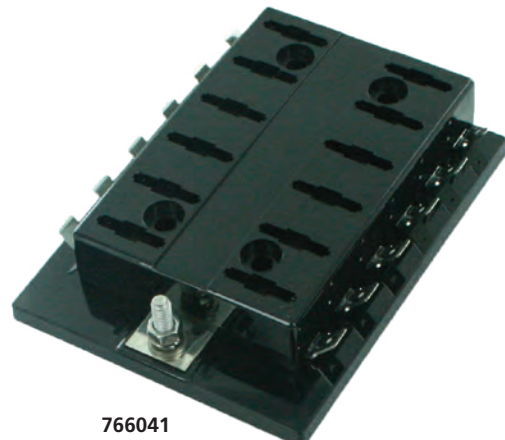
766043



766044



766045



766041

# of Positions	Length	1 PC/PK	25 PCS/PK
6	2.47"	766043	766043B
8	3.09"	766044	766044B
10	3.72"	766045	766045B
12	4.34"	766041	766041B

Circuit Breakers

- Maximum 24VDC rating
- Conforms to SAE J553

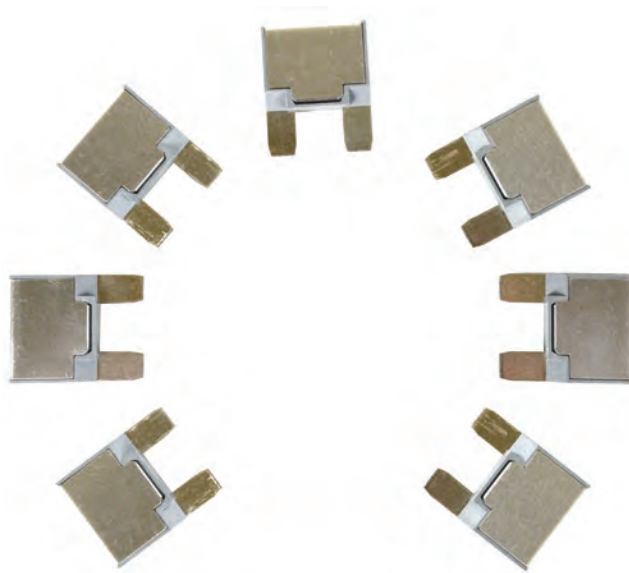
Rating	Blow Time
100% +/- 1.5%	≥ 30 minutes
135% +/- 1.5%	< 30 minutes
200% +/- 1.5%	< 1 minute

Circuit Breakers ('Maxi' Blade Fuse-Type) – Auto Reset



TYPE 1

Amperage	Colour	Part#
10A	Metallic	*766553
15A	Metallic	*766554
20A	Metallic	*766555
25A	Metallic	*766556
30A	Metallic	*766557
40A	Metallic	*766558
50A	Metallic	*766559



Auto Reset 'Maxi' Blade Fuse-Type Circuit Breakers

Circuit Breakers ('Maxi' Blade Fuse-Type) – Manual Reset



TYPE 3

Amperage	Colour	Part#
10A	Metallic	*766560
20A	Metallic	*766562
30A	Metallic	*766564
40A	Metallic	*766565
50A	Metallic	*766566



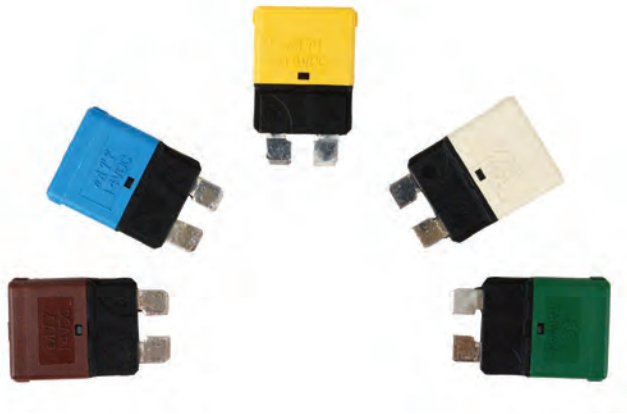
Manual Reset 'Maxi' Blade Fuse-Type Circuit Breakers

Circuit Breakers

- Maximum 24VDC rating
- Universally colour-coded for easy amperage identification
- Conforms to SAE J553

Rating	Blow Time
100% +/- 1.5%	≥ 30 minutes
135% +/- 1.5%	< 30 minutes
200% +/- 1.5%	< 1 minute

Circuit Breakers (Standard Blade Fuse-Type) – Auto Reset



Auto Reset 'Standard' Blade Fuse-Type Circuit Breakers

TYPE 1

Amperage	Colour	Part#
10A	Red	*766222
15A	Blue	*766223
20A	Yellow	*766224
25A	White	*766225
30A	Green	*766226

Circuit Breakers (Standard Blade Fuse-Type) – Manual Reset



Manual Reset 'Standard' Blade Fuse-Type Circuit Breakers

TYPE 3

Amperage	Colour	Part#
5A	Tan	*766590
10A	Red	766594
15A	Blue	766595
20A	Yellow	766596
25A	White	766597
30A	Green	766598

*NEW



New design has a notch at the base to protect from accidental pressing of the reset button.

Circuit Breakers

Circuit Breakers (Blade Fuse-Type)

- Maximum 24VDC rating
- Universally colour-coded for easy amperage identification
- Conforms to SAE J553

Rating	Blow Time
100% +/- 1.5%	≥ 30 minutes
135% +/- 1.5%	< 30 minutes
200% +/- 1.5%	< 1 minute

Circuit Breakers ('Mini' Blade Fuse-Type) – Auto Reset



TYPE 1

Amperage	Colour	Part#
10A	Red	*766229
15A	Blue	*766230
20A	Yellow	*766231
25A	White	*766232
30A	Green	*766233



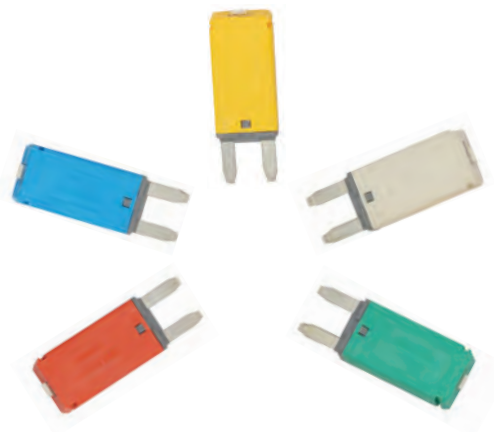
Auto Reset 'Mini' Blade Fuse-Type Circuit Breakers



Circuit Breakers ('Mini' Blade Fuse-Type) – Manual Reset

TYPE 3

Amperage	Colour	Part#
10A	Red	766585
15A	Blue	766586
20A	Yellow	766587
25A	White	766588
30A	Green	766589



Manual Reset 'Mini' Blade Fuse-Type Circuit Breakers



Fuses & Fuse Products

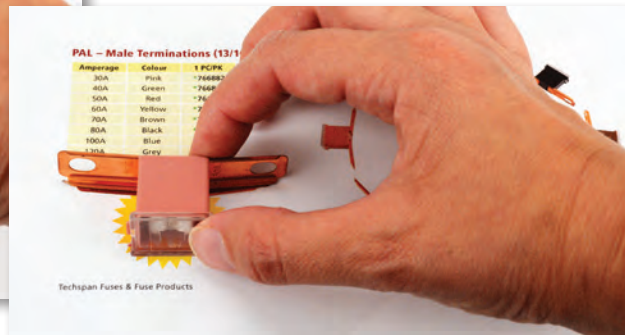
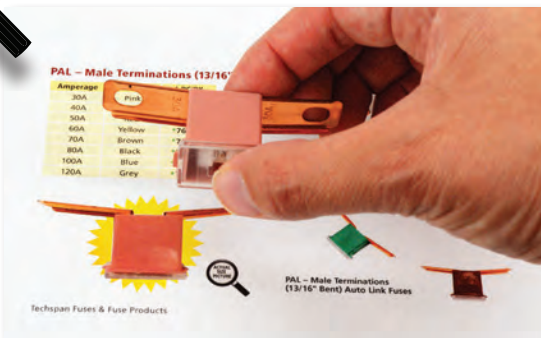
***NEW**

What's New?

- Blade Fuses for applications up to 80VDC & Accessories
- Fuse Holders with LED Indicator
- Clear/Transparent Fuse Holders
- Expanded coverage on Fuse Tools
- Expanded coverage on Waterproof Fuse Holders
- Expanded coverage on ANL Fuses & Accessories
- Expanded coverage on Bolt-On Fuses & Accessories
- Expanded coverage on PAL Fuses
- Expanded coverage on Cartridge Fuses

**ACTUAL
SIZE
PICTURES**

Pictures of fuses in this catalogue were taken at actual size. To help determine your existing fuse, simply place it on the closest looking picture and match the size.



Found a match!

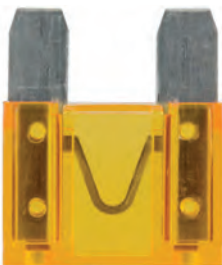
Blade Fuses

- Maximum 32VDC rating
- Zinc alloy
- Universally colour-coded for easy amperage identification
- Features an enclosed element that offers protection against shocks & sparks
- Corrosion resistance for a longer service life

Rating	Blow Time
110%	$\geq 100\text{hr}$
135%	$\geq 0.75\text{s}, \leq 1800\text{s}$
200%	$\geq 0.15\text{s}, \leq 5\text{s}$
350%	$\leq 0.08\text{s}$

Fuse Products' Identification & Pictorial Index

'Maxi' Blade Fuses



Pg 226

'Maxi' Blade Fuses for 80VDC Applications



Pg 226, 237

Standard Blade Fuses



Pg 228

Standard Blade Fuse for 80VDC Applications



Pg 228, 237

'Mini' Blade Fuses



Pg 232

Pg 234

'Micro' Blade Fuses

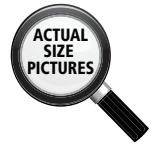


Pg 236

Pg 236

Fuses & Fuse Products

Fuse Products' Identification & Pictorial Index



GBC Fuses



Pg 238

Type AGC – Glass Fuses



Pg 238

Type SFE – Glass Fuses



Pg 238

Battery Fuses



Pg 240

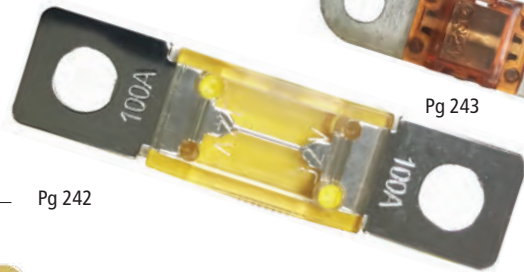
ANL Fuses



Pg 241



Bolt-On Fuses



Pg 242

Pg 243

'PAL' -Type, Auto Link Fuses, Female



Pg 244

'PAL' -Type, Auto Link Fuses, Male



Pg 245

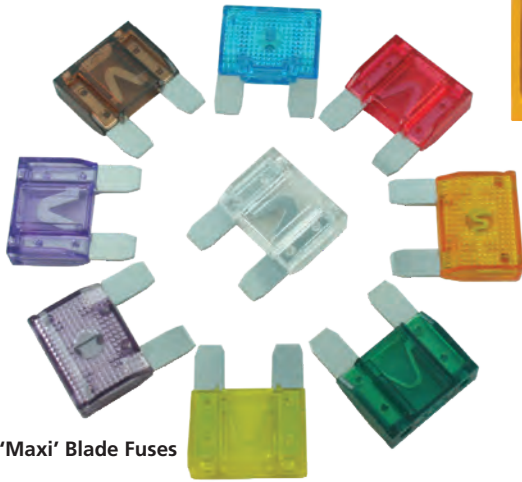
Fuse Link Cartridge Fuses



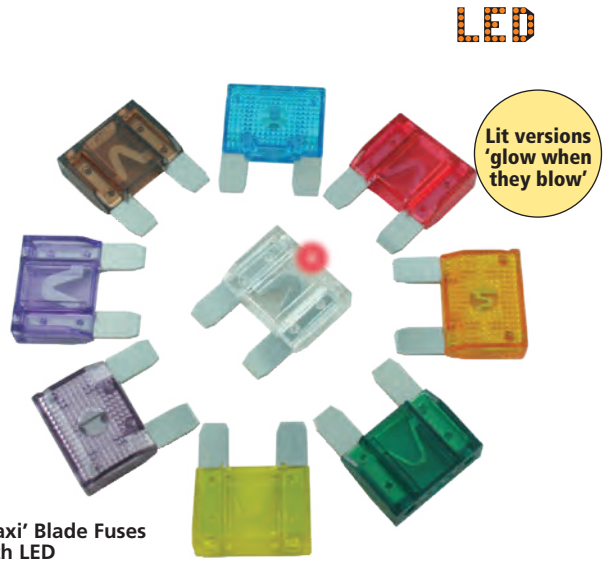
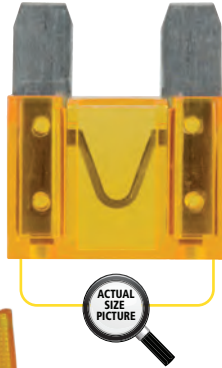
Pg 246-247

Blade Fuses

'Maxi' Blade Fuses



'Maxi' Blade Fuses



'Maxi' Blade Fuses with LED

Non-Lit Version

Amperage	Colour	1 PC/PK	25 PCS/PK
20A	Yellow	766250	766250Q
30A	Green	766251	766251Q
40A	Orange	766252	766252Q
50A	Red	766253	766253Q
60A	Blue	766254	766254Q
70A	Brown	766270	766270Q
80A	Clear	766271	766271Q
100A	Violet	766272	766272Q
120A	Purple	766273	766273Q

Lit Version – LED illuminates when the fuse is blown

Amperage	Colour	1 PC/PK	25 PCS/PK
20A	Yellow	766762	766762Q
30A	Green	766763	766763Q
40A	Orange	766764	766764Q
50A	Red	766765	766765Q
60A	Blue	766766	766766Q
70A	Brown	766767	766767Q
80A	Clear	766768	766768Q
100A	Violet	766769	766769Q

'Maxi' Blade Fuses (for Applications up to 80VDC)

***NEW**



Amperage	Colour	1 PC/PK
20A	Yellow	*766536
30A	Green	*766538
40A	Orange	*766539
50A	Red	*766540
60A	Blue	*766541
70A	Brown	*766542
80A	Clear	*766543
100A	Violet	*766544

See page 237 for Fuse Holder especially made for 80VDC 'Maxi' Blade Fuses

'Maxi' Blade Fuse for Applications up to 80VDC

Blade Fuses

Fuse Holders for 'Maxi' Blade Fuses

Inline Fuse Holder with Cover

2 x 7" (177mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	Features	1 PC/PK	25 PCS/PK
8GA	Red	Black	20A to 60A	-	666261	766261
6GA	Red	Clear	20A to 80A	-	*664121	*764121
6GA	Red	Black	20A to 80A	LED Indicator	*664139	*764139

*NEW
*NEW



666261



*664121



*664139

LED lights up when fuse has blown

Inline Fuse Holder with Cover & Mounting Hole

2 x 6" (152mm) wire leads. 7mm mounting hole

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
6GA	Black	Black	20A to 80A	666255	766255



666255

Inline Fuse Holders with Attached Cover (for 80VDC 'Maxi' Blade Fuses)

2 x 7" (177mm) wire leads



GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
6GA	Red	Black	20A to 80A	*664116	*764116



*664116

Blade Fuses

Standard Blade Fuses

LED



'Standard' Blade Fuses



'Standard' Blade Fuses with LED

Lit versions
'glow when
they blow'

Non-Lit Version

Amperage	Colour	5 PCS/PK	100 PCS/PK
1A	Black	766208	766208C
2A	Grey	766209	766209C
3A	Violet	766210	766210C
4A	Pink	766211	766211C
5A	Tan	766212	766212C
7.5A	Brown	766213	766213C
10A	Red	766214	766214C
15A	Blue	766215	766215C
20A	Yellow	766216	766216C
25A	Clear	766217	766217C
30A	Green	766218	766218C
40A	Orange	766219	766219C

Lit Version – LED illuminates when the fuse is blown

Amperage	Colour	5 PCS/PK	100 PCS/PK
–	–	–	–
2A	Grey	766771	766771C
3A	Violet	766772	766772C
4A	Pink	766773	766773C
5A	Tan	766774	766774C
7.5A	Brown	766775	766775C
10A	Red	766776	766776C
15A	Blue	766777	766777C
20A	Yellow	766778	766778C
25A	Clear	766779	766779C
30A	Green	766780	766780C
40A	Orange	766781	766781C

Standard Blade Fuses (for Applications up to 80VDC)



Standard Blade Fuse for Applications up to 80VDC

Amperage	Colour	5 PCS/PK
5A	Tan	*766546
10A	Red	*766547
15A	Blue	*766548
20A	Yellow	*766549
30A	Green	*766551

See page 237 for Fuse Holder especially made for 80VDC Standard Blade Fuses

Blade Fuses (Accessories)

Fuse Puller/Tester



***764210** Puller & Tester is for **ALL Blade Fuses** and is easy to use. If the Fuse is functional, the LED will light up. If the fuse is blown, the LED will not light up. Simply adjust the probe to fit the width of the blade fuse being tested.



***764210**

Adjustable probe to fit the width of the blade fuse

Fuse Pullers/Testers

Fuse Puller/Tester is easy to use. If the fuse is functional, the LED will light up. If the fuse is blown, the LED will not light up. Approximate length, including pins: 2-5/8" (66.67mm)

764209 For Mini Blade Fuses



764209

Fuse Pullers

Fuse Pullers for Blade & Glass Fuses. Fuses not included.

764206 Long. Approximate length: 4-1/8" (104.78mm)

764207 Short. Approximate length: 2" (50.40mm)



764206

Fuse Pullers

764207

Blade Type Circuit Breaker & Fuse Panels

- For Blade Terminal Circuit Breakers & Standard Blade Fuses
- 0.250" Tab Blade Terminals
- #10-32 stud terminal with hex nut, flat washer and lock washer (Tin plated Copper)
- 4 x 5.5mm diameter mounting holes for #10 screws
- Dimensions: 3.38" W x 0.81" H
- Rugged, yet compact & lightweight construction (thermoplastic)
- Maximum amperage per circuit: 25A
- Maximum amperage per block: 100A
- Maximum Voltage: 32VDC

# of Positions	Length	1 PC/PK	25 PCS/PK
6	2.47"	766043	766043B
8	3.09"	766044	766044B
10	3.72"	766045	766045B
12	4.34"	766041	766041B



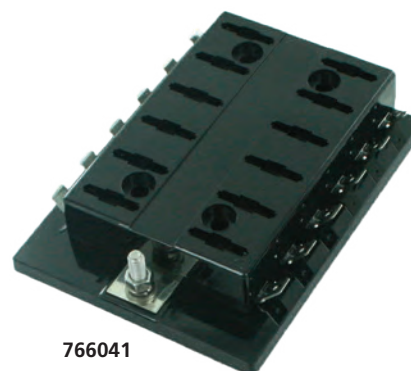
766043



766044



766045



766041

Blade Fuses

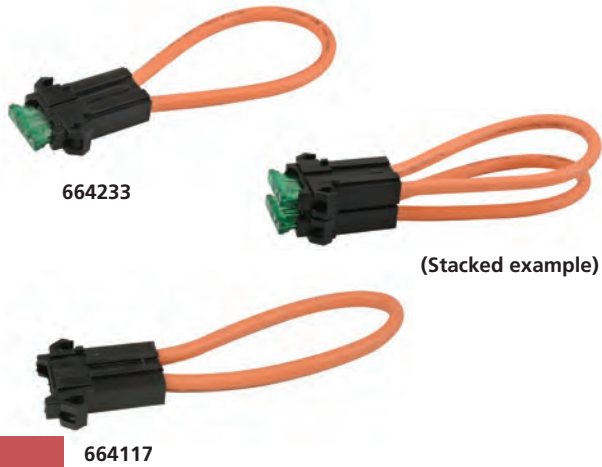


Inline Fuse Holders – Standard Blade Fuses

(Fuse Supplied)

2 x 4-1/2" (114mm) wire leads

Fuse Supplied	GA Size	Colour of Wire	Colour of Holder	1 PC/PK	25 PCS/PK
7.5A	16GA	Black	Black	664127	764127
10A	16GA	Black	Black	664129	764129
20A	14GA	Black	Black	664131	764131
30A	12GA	Orange	Black	664126	764126

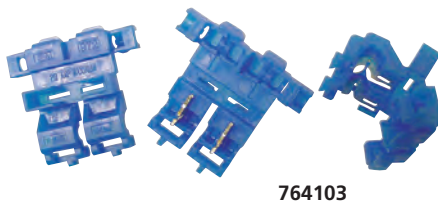


Panel Mount Fuse Holders – Standard Blade Fuses

Wire lead is an 8" (203.2mm) loop. These fuse holders can be stacked.

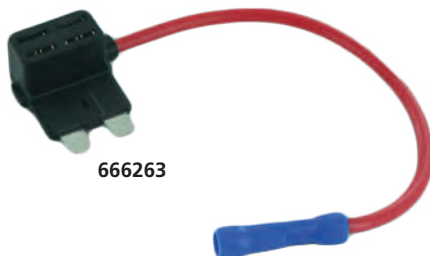
Fuse Supplied	GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
30A	10GA	Orange	Black	1A to 40A	664233	764233
No Fuse	10GA	Orange	Black	1A to 40A	*664117	*764117

*NEW



Self-Stripping Fuse Holders

GA Size	Colour	For Fuses Rated at...	10 PCS/PK
16-14GA	Blue	1A to 20A	764103



'Add-A-Fuse' Blade Fuse Taps

• Maximum Amperage per Circuit: 10A • 16GA Red Wire

Turns 1 Circuit into 2 Circuits in 5 easy steps:

- 1 Unplug the existing fuse
- 2 Plug in the new fuse holder
- 3 Re-insert the fuse in to the new fuse holder
- 4 Add the new circuit
- 5 Add an additional fuse for a new circuit

Description	1 PC/PK	25 PCS/PK
Converts 1 'Standard' – Fused Circuit into 2 Circuits	666263	766263

Blade Fuses

Inline Fuse Holders with Attached Cover – Standard Blade Fuses

Inline Fuse Holders with Attached Cover

2 x 6-1/2" (165mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	Features	1 PC/PK	25 PCS/PK	500 PCS/PK
14GA	Red	Black	1A to 25A	-	664136	764136	764136B
12GA	Red	Black	1A to 30A	-	664132	764132	764132B
12GA	Red	Black	1A to 30A	LED Indicator	*664114	*764114	-
12GA	Red	Clear	1A to 30A	-	*664120	*764120	-



LED lights up when fuse has blown

Inline Fuse Holders with Attached Cover (for 80VDC Standard Blade Fuses)

2 x 6-1/2" (165mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK	
12GA	Red	Black	5A to 30A	*664115	*764115	*NEW



Inline Fuse Holders – Standard Blade Fuses

Inline Fuse Holders

2 x 4-1/2" (114mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
14GA	Black	Black	1A to 25A	664130	764130
14GA	Red	Black	1A to 25A	664122	764122
12GA	Red	Black	1A to 30A	664125	764125



Waterproof Fuse Holder, Cover Included – Standard Blade Fuses

Waterproof Fuse Holder, Cover Included

2 x 5-1/2" (139mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
12GA	Red	Black	1A to 30A	664123	764123

*764138
*NEW

Black cover only for 664123/764123/664134/764134. Also serves as a Housing for 2-Cavity GM Metri-Pack Series 630 Terminals OEM# 12033731. 10 PCS/PK



Blade Fuses

'Mini' Blade Fuses



'Mini' Blade Fuses



Non-Lit Version

Amperage	Colour	5 PCS/PK	100 PCS/PK
2A	Grey	766240	766240C
3A	Violet	766241	766241C
4A	Pink	766242	766242C
5A	Tan	766243	766243C
7.5A	Brown	766244	766244C
10A	Red	766245	766245C
15A	Blue	766246	766246C
20A	Yellow	766247	766247C
25A	Clear	766248	766248C
30A	Green	766249	766249C

LED

Lit versions
'glow when
they blow'



'Mini' Blade Fuses with LED



Lit Version – LED illuminates when the fuse is blown

Amperage	Colour	5 PCS/PK	100 PCS/PK
2A	Grey	766782	766782C
3A	Violet	766783	766783C
4A	Pink	766784	766784C
5A	Tan	766785	766785C
7.5A	Brown	766786	766786C
10A	Red	766787	766787C
15A	Blue	766788	766788C
20A	Yellow	766789	766789C
25A	Clear	766790	766790C
30A	Green	766791	766791C

Blade Fuses

Fuse Holders for 'Mini' Blade Fuses

Inline Fuse Holder with attached Cover

2 x 6-1/2" (165mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	Features	1 PC/PK	25 PCS/PK
12GA	Red	Black	2A to 30A	-	666260	766260
12GA	Red	Black	2A to 30A	LED Indicator	*664113	*764113
12GA	Red	Clear	2A to 30A	-	*664119	*764119

*NEW

*NEW

LED lights up when fuse has blown



666260



*664113



*664119

Inline Fuse Holder

2 x 4-1/2" (114mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
16GA	Black	Black	2A to 20A	666257	766257



666257

Waterproof Fuse Holder, Cover Included – 'Mini' Blade Fuses

NEW

Waterproof Fuse Holder, Cover Included

2 x 5-1/2" (139mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
12GA	Red	Black	1A to 30A	*664134	*764134

*764138

*NEW

Black cover only for 664123/764123/664134/764134. Also serves as a Housing for 2-Cavity GM Metri-Pack Series 630 Terminals OEM# 12033731. 10 PCS/PK



*664134



*764138

'Add-A-Fuse' Blade Fuse Taps

• Maximum Amperage per Circuit: 10A • 16GA Red Wire

Turns 1 Circuit into 2 Circuits in 5 easy steps:

- 1 Unplug the existing fuse
- 2 Plug in the new fuse holder
- 3 Re-insert the fuse in to the new fuse holder
- 4 Add the new circuit
- 5 Add an additional fuse for a new circuit

Description	1 PC/PK	25 PCS/PK
Converts 1 'Mini' – Fused Circuit into 2 Circuits	666262	766262



666262

Blade Fuses

'Mini' Blade Fuses (Low Profile)

Low profile 'Mini' Blade Fuses have the same characteristics as the regular 'Mini' Blade Fuse, with the main exception being that the lower height of the low profile version allows for more space, in addition to weight savings.



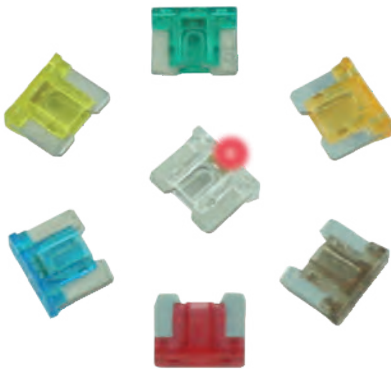
'Mini' Blade Fuses Low Profile

Non-Lit Version

Amperage	Colour	5 PCS/PK	100 PCS/PK
2A	Grey	766802	766802C
3A	Violet	766803	766803C
4A	Pink	766804	766804C
5A	Tan	766805	766805C
7.5A	Brown	766806	766806C
10A	Red	766807	766807C
15A	Blue	766808	766808C
20A	Yellow	766809	766809C
25A	Clear	766810	766810C
30A	Green	766811	766811C

LED

Lit versions
'glow when
they blow'



'Mini' Blade Fuses Low Profile with LED

Lit Version – LED illuminates when the fuse is blown

Amperage	Colour	5 PCS/PK	100 PCS/PK
–	–	–	–
–	–	–	–
–	–	–	–
5A	Tan	766795	766795C
7.5A	Brown	766796	766796C
10A	Red	766797	766797C
15A	Blue	766798	766798C
20A	Yellow	766799	766799C
25A	Clear	766800	766800C
30A	Green	766801	766801C

Blade Fuses

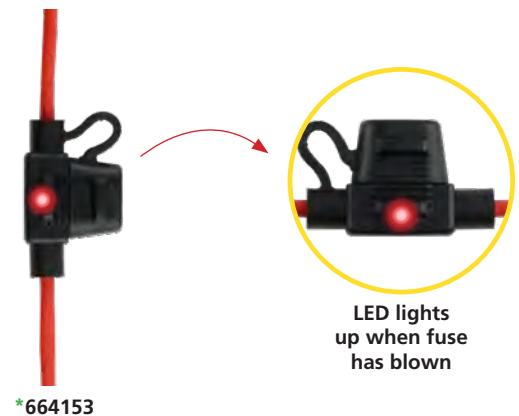
Fuse Holders for Low Profile 'Mini' Blade Fuses

Inline Fuse Holders with attached Cover

2 x 6-1/2" (165mm) wire leads.

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	Features	1 PC/PK	25 PCS/PK
12GA	Red	Black	5A to 30A		666266	766266
12GA	Red	Black	2A to 30A	LED Indicator	*664153	*764153

***NEW**



'Add-A-Fuse' Blade Fuse Taps

• Maximum Amperage per Circuit: 10A • 16GA Red Wire

Turns 1 Circuit into 2 Circuits in 5 easy steps:

- ❶ Unplug the existing fuse
- ❷ Plug in the new fuse holder
- ❸ Re-insert the fuse in to the new fuse holder
- ❹ Add the new circuit
- ❺ Add an additional fuse for a new circuit

Description	1 PC/PK	25 PCS/PK
Converts 1 Low Profile 'Mini' – Fused Circuit into 2 Circuits	666264	766264



Blade Fuses

'Micro' Blade Fuses, 2-Blade

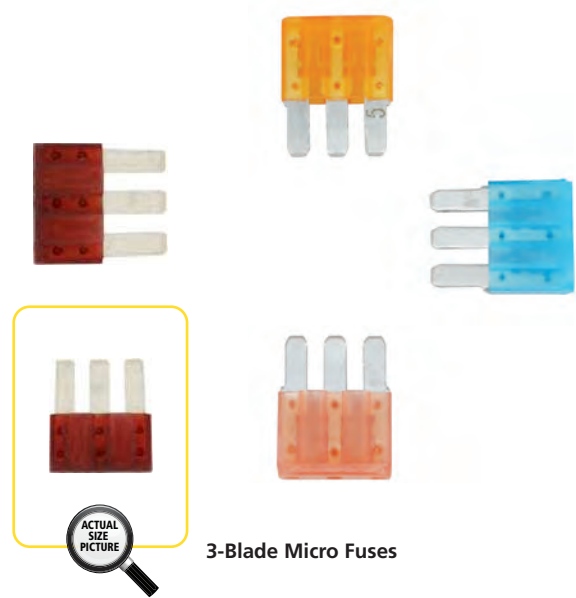


2-Blade Micro Fuses

2-Blade

Amperage	Colour	5 PCS/PK	100 PCS/PK
5A	Tan	766812	766812C
7.5A	Brown	766813	766813C
10A	Red	766814	766814C
15A	Blue	766815	766815C
20A	Yellow	766816	766816C
25A	Clear	766817	766817C
30A	Green	766818	766818C

'Micro' Blade Fuses, 3-Blade



3-Blade Micro Fuses

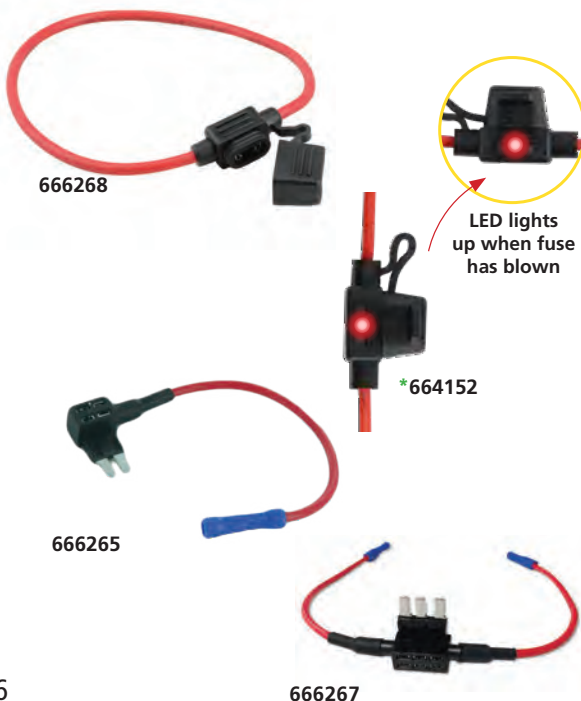
3-Blade

Amperage	Colour	5 PCS/PK	100 PCS/PK
5A	Tan	766825	766825C
7.5A	Brown	766826	766826C
10A	Red	766827	766827C
15A	Blue	766828	766828C

Fuse Holders for 'Micro' Blade Fuses (2-Blade)

Inline Fuse Holders with attached Cover

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	Features	1 PC/PK	25 PCS/PK
12GA	Red	Black	5A to 30A	-	666268	766268
12GA	Red	Black	5A to 30A	LED Indicator	*664152	*764152



'Add-A-Fuse' Blade Fuse Taps

• Maximum Amperage per Circuit: 10A • 16GA Red Wire

Turns 1 Circuit into 2 Circuits in 5 easy steps:

- 1 Unplug the existing fuse
- 2 Plug in the new fuse holder
- 3 Re-insert the fuse in to the new fuse holder
- 4 Add the new circuit
- 5 Add an additional fuse for a new circuit

Description	1 PC/PK	25 PCS/PK
Converts 1 'Micro-2' Fused Circuit into 2 Circuits	666265	766265
Converts 1 'Micro-3' Fused Circuit up to 4 Circuits	666267	766267

Blade Fuses (80VDC)

'Maxi' Blade Fuses (for Applications up to 80VDC)



Amperage	Colour	1 PC/PK
20A	Yellow	*766536
30A	Green	*766538
40A	Orange	*766539
50A	Red	*766540
60A	Blue	*766541
70A	Brown	*766542
80A	Clear	*766543
100A	Violet	*766544



'Maxi' Blade Fuse for Electric Vehicles

Inline Fuse Holders with Attached Cover (for 80VDC 'Maxi' Blade Fuses)

2 x 7" (177mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
6GA	Red	Black	20A to 80A	*664116	*764116

*NEW



*664116

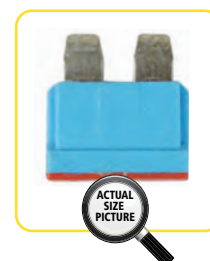
Standard Blade Fuses (for Applications up to 80VDC)



Amperage	Colour	5 PCS/PK
5A	Tan	*766546
10A	Red	*766547
15A	Blue	*766548
20A	Yellow	*766549
30A	Green	*766551



Standard Blade Fuse for Electric Vehicles



Inline Fuse Holders with Attached Cover (for 80VDC Standard Blade Fuses)

2 x 6-1/2" (165mm) wire leads

GA Size	Colour of Wire	Colour of Holder	For Fuses Rated at...	1 PC/PK	25 PCS/PK
12GA	Red	Black	5A to 30A	*664115	*764115

*NEW

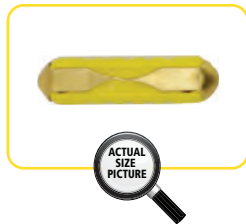


*664115

Capsule & Glass Fuses



GBC Fuses



Glass Fuses – Type AGC



Glass Fuses – Type SFE

GBC Fuses

For applications up to 32VDC. 6mm x 25mm. Heat-resistant housing

Amperage	Colour	1PC/PK
5A	Yellow	766837
8A	White	766838
16A	Red	766841
25A	Blue	766843

Glass Fuses

Replacement 'fast-acting' glass tube-style fuses for domestic vehicles.

- 32V/125V/250V
- Glass Tube
- Zinc alloy
- Flat Metal

Rating	Blow Time
110%	≥ 4hr
135%	≤ 1hr
200%	≤ 10s

AGC Glass Fuses

Amperage	5 PCS/PK	100 PCS/PK
1A	766120	766120C
2A	766122	766122C
3A	766124	766124C
4A	766125	766125C
5A	766126	766126C
7.5A	766128	766128C
10A	766130	766130C
15A	766131	766131C
20A	766132	766132C
25A	766133	766133C
30A	766134	766134C

SFE Glass Fuses

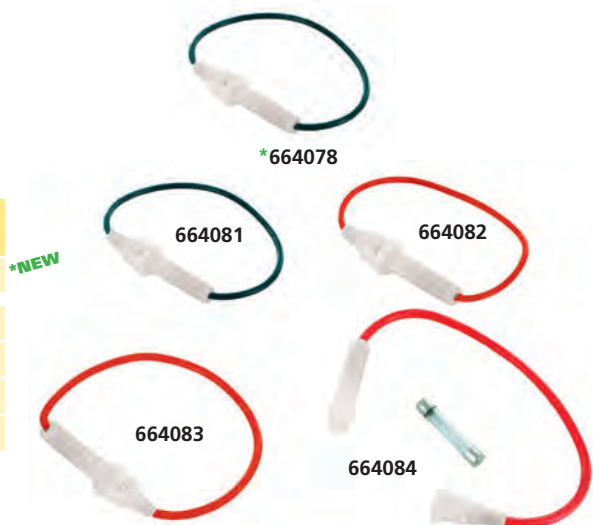
Amperage	5 PCS/PK	100 PCS/PK
9A	766188	766188C
14A	766189	766189C
20A	766190	766190C
30A	766191	766191C

Glass Fuse Accessories

Fuse Holders for Glass Fuses

Nylon fuse holders for glass tube fuses. Designed for all 6 & 12 Volt systems. Protects electrical equipment such as lighting, heaters, stereo equipment, etc. All current carrying parts are made of copper or brass. Contact spring accommodates most glass fuses. SFE fuses are included as shown in the chart below. All wire leads are an 8" (203.2mm) loop

SFE Fuse Supplied	GA Size	Colour of Wire	Colour of Holder	1 PC/PK	25 PCS/PK
No Fuse	16GA	Black	White	*664078	*764078
9A	16GA	Black	White	664081	764081
14A	16GA	Red	White	664082	764082
20A	14GA	Red	White	664083	764083
30A	12GA	Orange	White	664084	764084



In-Line Fuse Holders

Panel Mount Fuse Holder (Fuse not Included)

766042 For SFE & 3AGC Fuses. 10A @ 250VAC. Spring loaded bottom contact. Finger grip type knob with nickel-plated copper alloy insert. Bakelite insulation withstands 2000VAC R.M.S. for one minute. Nickel-plated, copper alloy solderable terminal. Mounts in a 1/2" (12.7mm) diameter hole

766042B Same as **766042**, except 25 pieces per pack



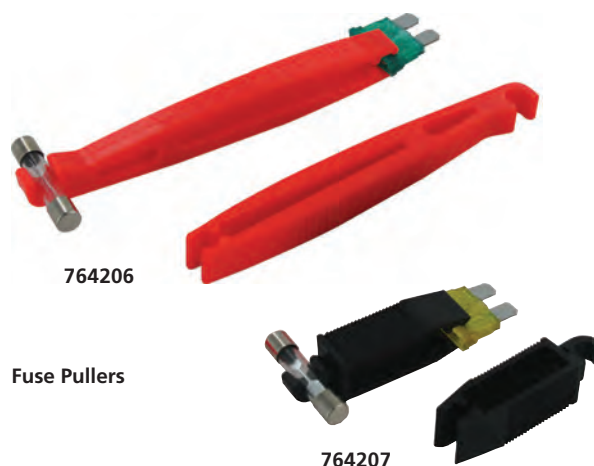
766042 Panel Fuse Holder with Solder Terminals

Fuse Pullers

Fuse Pullers for Blade & Glass Fuses. Fuses not included.

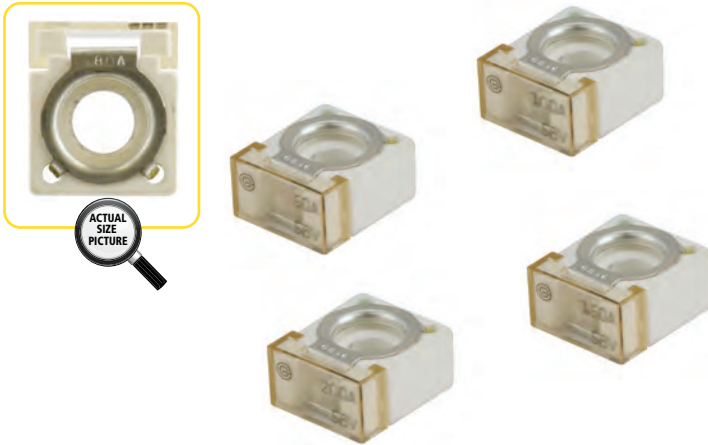
764206 Long. Approximate length: 4-1/8" (104.78mm)

764207 Short. Approximate length: 2" (50.40mm)



Fuse Pullers

Battery Fuses & Accessories



Battery Fuses

- 58 VDC
- Complies with: ISO 8820-6, DIN 72581-5, UL 248 (Special Purpose Fuses)
- Marine Rated (Complies with ABYC requirements)

Amperage	Colour	1 PC/PK
50A	White	766569
75A	White	766571
100A	White	766573
125A	White	766574
150A	White	766575
200A	White	766577
250A	White	766579
300A	White	766580



762695



762694



762696

Battery Fuse Accessories

Battery Terminal

762695 Universal Battery Terminal with extra long stud. Designed to be used with Battery Fuses. Made of Brass. 10 PCS/PK

Insulated Nut

762694 Insulated Nut to hold down Battery Fuses onto the **762695** Battery Terminal. Made of Polymer (PPS). 10 PCS/PK

Battery Terminal & Insulated Nut Set

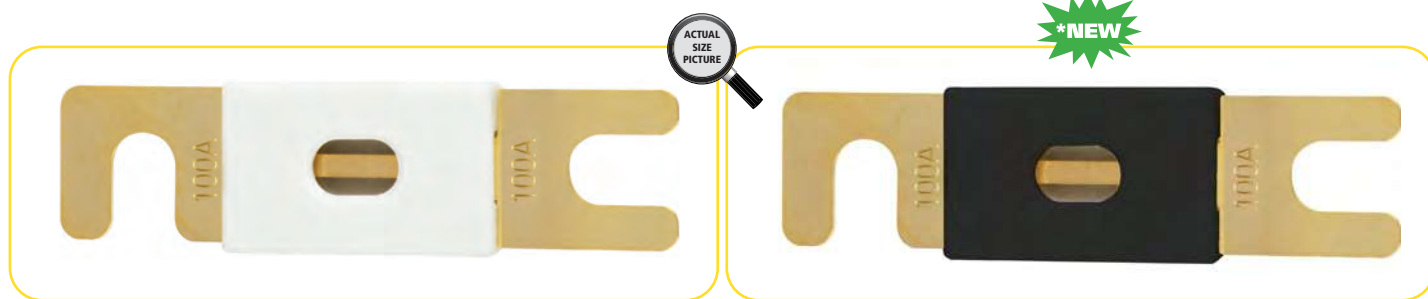
762696 Consists of 1 x **762695** Battery Terminal and 1 x **762694** Insulated Nut. Battery Fuse not included



Use Battery Fuses in combination with the Battery Terminal & Insulated Nut Set!

ANL Fuses

These higher amperage fuses are typically used in the Forklift industry. Gold plated terminations.



ANL Fuses (White) Maximum Voltage: 32VDC

Amperage	White
100A	766830
150A	766831
200A	766832
250A	766833
300A	766834
400A	766835
500A	766836

ANL Fuses (Black) Maximum Voltage: 125VDC

Amperage	Black
100A	*766904
150A	*766905
200A	*766906
250A	*766907
300A	*766908
400A	*766909
500A	*766910

Fuse Holder for ANL Fuses

Fuse Holders, Cover Included

Description	Maximum Voltage	1 PC/PK	25 PCS/PK
Black Holder, Clear Cover	32VDC	666151	766151
Clear Holder, Clear Cover	125VDC	*666152	*766152

Mounting holes are 1" apart, centre to centre (6mm dia.)



666151

Mounting holes are 4.5" apart, centre to centre (4.4mm dia.)



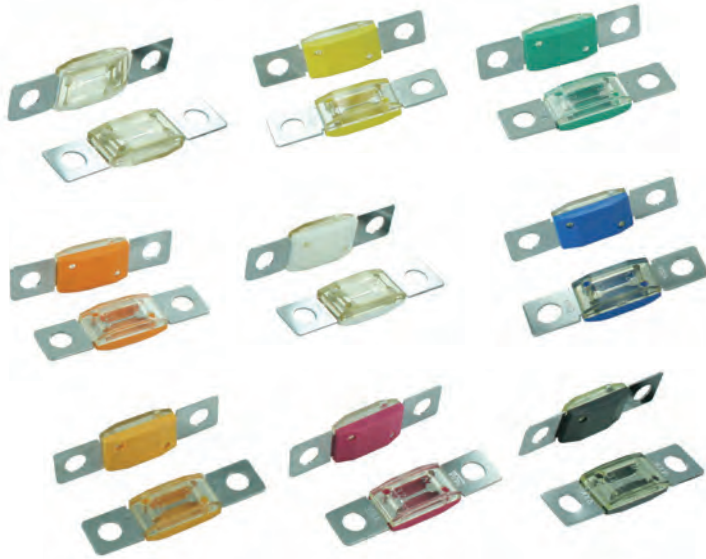
*666152



Fuses not included. Fuses shown for illustrative purposes only.



Bolt-On Fuses



80A & 300A Bolt-On, High Amperage Fuses



766200

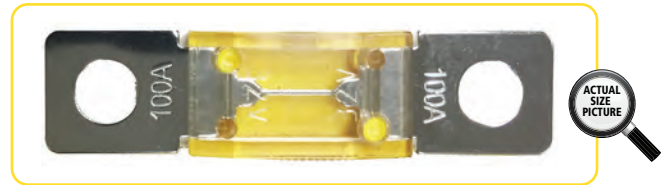
766201

400A & 500A Bolt-On, High Amperage Fuses

Bolt-On, High Amperage Fuses

- Maximum 32VDC rating
- Polycarbonate Housing
- Copper Alloy Terminations
- Fuses are colour coded for easier amperage identification
- Transparent window on one side of the fuse
- Hole Diameter: 8.5mm
- 2" (51mm) centre to centre

Amperage	Colour	1 PC/PK	25 PCS/PK	
80A	Clear	*766202	*766202Q	*NEW
100A	Yellow	766192	766192Q	
125A	Green	766193	766193Q	
150A	Orange	766194	766194Q	
175A	White	766195	766195Q	
200A	Blue	766196	766196Q	
225A	Tan	766197	766197Q	
250A	Pink	766198	766198Q	
300A	Grey	766199	766199Q	
400A	Purple	*766200	*766200Q	*NEW
500A	Brown	*766201	*766201Q	*NEW



666148

Fuse not included. Fuse shown for illustrative purposes only.

666143

Fuse Holders for High Amperage Bolt-On Fuses

Fuse Holders, Clear Cover included

Mounting Holes are 4.25" apart, centre-to-centre (6mm dia.)

Description	1 PC/PK	25 PCS/PK
For High Amperage, Bolt-On Fuses	666148	766148

Fuse Holder with attached Cover, Black

Description	1 PC/PK	25 PCS/PK
For High Amperage, Bolt-On Fuses	666143	766143

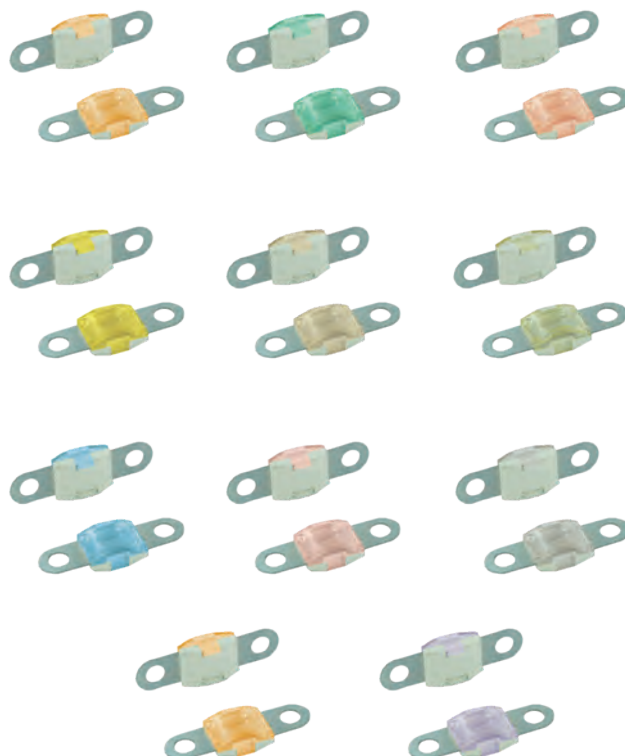
Bolt-On Fuses

Bolt-On, 'Mid'-Amperage Fuses

- Maximum 32VDC rating
- Polyimide 66 thermoplastic housing
- Tin plated copper alloy terminations
- Fuses are colour coded for easier amperage identification
- Transparent window on one side of the fuse
- Hole Diameter: 5.5mm
- 1-3/16" (30mm) centre to centre

Amperage	Colour	1 PC/PK	25 PCS/PK
30A	Orange	766157	766157Q
40A	Green	766158	766158Q
50A	Red	766159	766159Q
60A	Yellow	766160	766160Q
70A	Brown	766161	766161Q
80A	White	766162	766162Q
100A	Blue	766163	766163Q
125A	Pink	766164	766164Q
150A	Grey	766165	766165Q
175A	Tan	*766167	*766167Q
200A	Violet	766166	766166Q

*NEW



Bolt-On, 'Mid'-Amperage Fuses

Fuse Holder for 'Mid'-Amperage Bolt-On Fuses

Fuse Holders, Clear Cover included

Mounting Holes are 1/2" apart, centre-to-centre (#8 hole)

Description	1 PC/PK	25 PCS/PK
For 'Mid'-Amperage, Bolt-On Fuses	666150	766150



666150

Fuse not included. Fuse shown for illustrative purposes only.

'PAL' -Type, Auto Link Fuses

Also known as PAL Fuses, Auto Link Fuses are commonly found on vehicles where the protected current rating reaches 140A. Techspan PAL Fuses meet spec JASO D614 and vary in colour to facilitate identification of each amperage.

For applications up to **32VDC**. They are available in the following forms:

- Female Terminations (Regular & Mini)
- Female Terminations with Locking Tab
- Male Terminations
- Male Terminations with bent connectors (Long & Short)



PAL – Female Terminations Auto Link Fuses

PAL Fuses – Female Terminations (Regular)

Amperage	Colour	1 PC/PK
20A	White	766846
30A	Pink	766847
40A	Green	766848
50A	Red	766849
60A	Yellow	766850



PAL – Female Terminations 'Mini' Link Fuses



PAL – Female Terminations (Mini)

Amperage	Colour	1 PC/PK
30A	Pink	*766902
40A	Green	*766903



PAL – Female Terminations (with Locking Tab) Auto Link Fuses

PAL – Female Terminations (with Locking Tab)

Amperage	Colour	1 PC/PK
25A	Brown	766855
30A	Green	766856

'PAL' -Type, Auto Link Fuses

PAL – Male Terminations (Straight)

Amperage	Colour	1 PC/PK
20A	White	766863
30A	Pink	766864
40A	Green	766865
50A	Red	766866
60A	Yellow	766867
70A	Brown	766868
80A	Black	766869
100A	Blue	766870
120A	Light Grey	766871



PAL – Male Terminations (Straight) Auto Link Fuses

PAL – Male Terminations (9/16" Bent)

Amperage	Colour	1 PC/PK
30A	Pink	766873
40A	Green	766874
50A	Red	766875
80A	Black	766878
100A	Blue	766879
120A	Light Grey	*766880

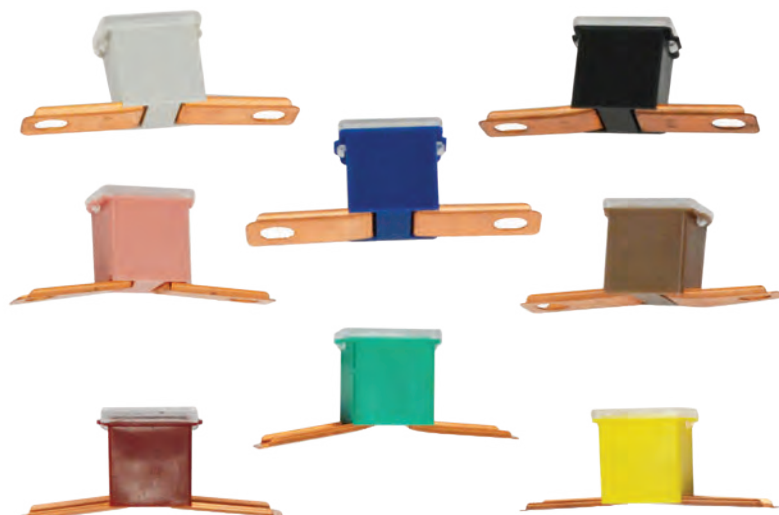
*NEW



PAL – Male Terminations (9/16" Bent) Auto Link Fuses

PAL – Male Terminations (13/16" Bent)

Amperage	Colour	1 PC/PK
30A	Pink	766882
40A	Green	766883
50A	Red	766884
60A	Yellow	766885
70A	Brown	766886
80A	Black	766887
100A	Blue	766888
120A	Light Grey	766889



PAL – Male Terminations (13/16" Bent) Auto Link Fuses

Cartridge Fuses



Fuse Link, Female Terminations (Regular)

• 32VDC

Amperage	Colour	1 PC/PK	25 PCS/PK
20A	Light Blue	766170	766170Q
30A	Pink	766171	766171Q
40A	Green	766172	766172Q
50A	Red	766173	766173Q
60A	Yellow	766174	766174Q



20A



30A



40A



50A



60A



Fuse Link, Female Terminations (Low Profile)

• 58VDC

Amperage	Colour	1 PC/PK	25 PCS/PK
20A	Light Blue	766819	766819Q
25A	White	766820	766820Q
30A	Pink	766821	766821Q
40A	Green	766822	766822Q
50A	Red	766823	766823Q
60A	Yellow	766824	766824Q



20A



25A



30A



40A



50A



60A

Cartridge Fuses

Fuse Link, Female Terminations (Micro, Non-Slotted) *NEW

• 32VDC

Amperage	Colour	1 PC/PK
15A	Grey	*766890
20A	Blue	*766891
25A	White	*766892
30A	Pink	*766893
40A	Green	*766894



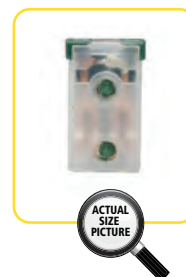
15A



20A



25A



30A



40A

Micro Cartridge Fuses (Non-Slotted)

Fuse Link, Female Terminations (Micro, Slotted) *NEW

• 32VDC

Amperage	Colour	1 PC/PK
15A	Grey	*766895
20A	Blue	*766896
25A	White	*766897
30A	Pink	*766898
40A	Green	*766899
50A	Red	*766900
60A	Yellow	*766901



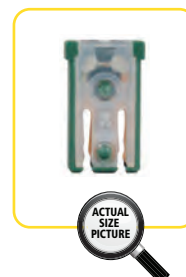
15A



20A



25A



30A



40A



50A



60A

Micro Cartridge Fuses (Slotted)

Fuse Assortments

Combination Packs

CARDED



CLAMSHELL



766005 10PC Standard Blade Fuse Assortment

766005 10PC Standard Blade Fuse Assortment

Contains:

Description	Qty	Description	Qty
5A Tan	1 pc	20A Yellow	2 pcs
10A Red	2 pcs	25A Clear	1 pc
15A Blue	2 pcs	30A Green	2 pcs

CARDED



CLAMSHELL



766006 6PC Standard Blade Fuse Assortment

766006 6PC Standard Blade Fuse Assortment

Contains:

Description	Qty	Description	Qty
5A Tan	1 pc	20A Yellow	1 pc
10A Red	1 pc	25A Clear	1 pc
15A Blue	1 pc	30A Green	1 pc

Fuse Assortments

Combination Packs

CARDED



CLAMSHELL



766008

766008 10PC Mini Blade Fuse Assortment

Contains:

Description	Qty
5A Tan	1 pc
10A Red	2 pcs
15A Blue	2 pcs

Description	Qty
20A Yellow	2 pcs
25A Clear	1 pc
30A Green	2 pcs



766009

766009 6PC Mini Blade Fuse Assortment

Contains:

Description	Qty
5A Tan	1 pc
10A Red	1 pc
15A Blue	1 pc

Description	Qty
20A Yellow	1 pc
25A Clear	1 pc
30A Green	1 pc



766035

766035 14PC 2-Micro Blade Fuse Assortment

Contains:

Description	Qty
5A Tan	2 pcs
7.5A Brown	2 pcs
10A Red	2 pcs
15A Blue	2 pcs

Description	Qty
20A Yellow	2 pcs
25A Clear	2 pcs
30A Green	2 pcs



766036

766036 14PC Mini Blade (Low-Profile) Fuse Assortment

Contains:

Description	Qty
5A Tan	2 pcs
7.5A Brown	2 pcs
10A Red	2 pcs
15A Blue	2 pcs

Description	Qty
20A Yellow	2 pcs
25A Clear	2 pcs
30A Green	2 pcs



Circuit Protection Products – Merchandising & Storage

Introducing our revamped “Mini Flip Kit” series of Circuit Protection Products!
Detailed information on these Kits can be found on pages 252 to 266.

Your choice of:

Fleet Series: Contain a larger quantity of Fuses for added convenience to the end user/installer

On-The-Go Series: Contain a lesser quantity of Fuses for smaller initial investment

These symbols are located beside each kit in this catalogue to indicate the series of the Mini Flip Kit

Fleet Series

On-The-Go Series

i

PACKAGED IN CANADA

Fleet Series



Our Fleet Series Fuse Kits have a large quantity of fuses, ideal for distributors

On-The-Go Series



Our new budget friendly fuse kits are perfect when you just need the right fuse on the go! These kits come with an assortment of essential fuses so you have what you need to get the job done.

Circuit Protection Products – Merchandising & Storage

More information on these Merchandising & Storage aids can be found on pages 252 to 268

Also Available...

Storage Rack fits up to **5** Mini Flip Kits. Grey Enamel Steel with Carrying Handle and Locking Hinge



Smaller Assortment Kits



Flip Kits



Wall Mount Display/Storage Panel

Circuit Breaker Kits

Assortments of widely used Automotive Circuit Breakers in compact plastic storage trays. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions of each tray: 11"W x 6"L x 1"H



*766989 Mini Blade Fuse-Type Circuit Breaker Assortment Kit



Mini Flip Kits, Blade-Type Circuit Breakers

*766989 10PC Mini Blade Fuse-Type Circuit Breaker Assortment Kit

Kit Contents:

Part # in Kit	Circuit Breaker Type	Amperage	Colour	Qty
766229	Mini Blade, Auto Reset	10A	Red	1 PC
766230	Mini Blade, Auto Reset	15A	Blue	1 PC
766231	Mini Blade, Auto Reset	20A	Yellow	1 PC
766232	Mini Blade, Auto Reset	25A	White	1 PC
766233	Mini Blade, Auto Reset	30A	Green	1 PC
766585	Mini Blade, Manual Reset	10A	Red	1 PC
766586	Mini Blade, Manual Reset	15A	Blue	1 PC
766587	Mini Blade, Manual Reset	20A	Yellow	1 PC
766588	Mini Blade, Manual Reset	25A	White	1 PC
766589	Mini Blade, Manual Reset	30A	Green	1 PC



*766990 Standard Blade Fuse-Type Circuit Breaker Assortment Kit



*766990 11PC Standard Blade Fuse-Type Circuit Breaker Assortment Kit

Kit Contents:

Part # in Kit	Circuit Breaker Type	Amperage	Colour	Qty
766222	Standard Blade, Auto Reset	10A	Red	1 PC
766223	Standard Blade, Auto Reset	15A	Blue	1 PC
766224	Standard Blade, Auto Reset	20A	Yellow	1 PC
766225	Standard Blade, Auto Reset	25A	White	1 PC
766226	Standard Blade, Auto Reset	30A	Green	1 PC
766590	Standard Blade, Manual Reset	5A	Tan	1 PC
766594	Standard Blade, Manual Reset	10A	Red	1 PC
766595	Standard Blade, Manual Reset	15A	Blue	1 PC
766596	Standard Blade, Manual Reset	20A	Yellow	1 PC
766597	Standard Blade, Manual Reset	25A	White	1 PC
766598	Standard Blade, Manual Reset	30A	Green	1 PC



*766991 'Maxi' Blade Fuse-Type Circuit Breaker Assortment Kit



*766991 12PC 'Maxi' Blade Fuse-Type Circuit Breaker Assortment Kit

Kit Contents:

Part # in Kit	Circuit Breaker Type	Amperage	Colour	Qty
766553	Maxi Blade, Auto Reset	10A	Metallic	1 PC
766554	Maxi Blade, Auto Reset	15A	Metallic	1 PC
766555	Maxi Blade, Auto Reset	20A	Metallic	1 PC
766556	Maxi Blade, Auto Reset	25A	Metallic	1 PC
766557	Maxi Blade, Auto Reset	30A	Metallic	1 PC
766558	Maxi Blade, Auto Reset	40A	Metallic	1 PC
766559	Maxi Blade, Auto Reset	50A	Metallic	1 PC
766560	Maxi Blade, Manual Reset	10A	Metallic	1 PC
766562	Maxi Blade, Manual Reset	20A	Metallic	1 PC
766564	Maxi Blade, Manual Reset	30A	Metallic	1 PC
766565	Maxi Blade, Manual Reset	40A	Metallic	1 PC
766566	Maxi Blade, Manual Reset	50A	Metallic	1 PC



Fuse Kits

Assortments of widely used Automotive Fuses & Fuse Accessories in compact plastic storage trays. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions of each tray: 11"W x 6"L x 1"H

Mini Flip Kits, 'Maxi' Blade Fuses

*766988 13PC 'Maxi' Blade Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766250	Maxi Blade	20A	Yellow	1 PC	766250Q
766251	Maxi Blade	30A	Green	2 PCS	766251Q
766252	Maxi Blade	40A	Orange	2 PCS	766252Q
766253	Maxi Blade	50A	Red	2 PCS	766253Q
766254	Maxi Blade	60A	Blue	1 PC	766254Q
766270	Maxi Blade	70A	Brown	1 PC	766270Q
766271	Maxi Blade	80A	Clear	1 PC	766271Q
766272	Maxi Blade	100A	Violet	1 PC	766272Q
766273	Maxi Blade	120A	Purple	1 PC	766273Q
666261	Fuse Holder 8GA	20A-60A	Red Wire/Black Holder & Cover	1 PC	766261



*766988 'Maxi' Blade Fuse Assortment Kit

766274 100PC 'Maxi' Blade Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766250	Maxi Blade	20A	Yellow	10 PCS	766250Q
766251	Maxi Blade	30A	Green	20 PCS	766251Q
766252	Maxi Blade	40A	Orange	20 PCS	766252Q
766253	Maxi Blade	50A	Red	20 PCS	766253Q
766254	Maxi Blade	60A	Blue	10 PC	766254Q
766270	Maxi Blade	70A	Brown	5 PC	766270Q
766271	Maxi Blade	80A	Clear	5 PC	766271Q
766272	Maxi Blade	100A	Violet	5 PC	766272Q
766273	Maxi Blade	120A	Purple	5 PC	766273Q



766274 'Maxi' Blade Fuse Assortment Kit

*766977 9PC 'Maxi' Blade Fuse (80VDC) Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty
766536	Maxi Blade 80VDC	20A	Yellow	1 PC
766538	Maxi Blade 80VDC	30A	Green	1 PC
766539	Maxi Blade 80VDC	40A	Orange	1 PC
766540	Maxi Blade 80VDC	50A	Red	1 PC
766541	Maxi Blade 80VDC	60A	Blue	1 PC
766542	Maxi Blade 80VDC	70A	Brown	1 PC
766543	Maxi Blade 80VDC	80A	Clear	1 PC
766544	Maxi Blade 80VDC	100A	Violet	1 PC
664116	Fuse Holder with Attached Cover, Inline	20-100A	Red Wire/Black Holder & Cover	1 PC



*766977 'Maxi' Blade Fuse Assortment Kit, Maximum Voltage 80VDC

Fuse Kits



**On-
The-Go
Series**

*766987 Standard Blade Fuse Assortment Kit

Mini Flip Kits, Standard Blade Fuses

*766987 86PC Standard Blade Fuse Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766208	Standard Blade	1A	Black	5 PCS	766208C
766209	Standard Blade	2A	Grey	5 PCS	766209C
766210	Standard Blade	3A	Violet	5 PCS	766210C
766211	Standard Blade	4A	Pink	5 PCS	766211C
766212	Standard Blade	5A	Tan	10 PCS	766212C
766213	Standard Blade	7.5A	Brown	5 PCS	766213C
766214	Standard Blade	10A	Red	10 PCS	766214C
766215	Standard Blade	15A	Blue	10 PCS	766215C
766216	Standard Blade	20A	Yellow	10 PCS	766216C
766217	Standard Blade	25A	Clear	5 PCS	766217C
766218	Standard Blade	30A	Green	10 PCS	766218C
766219	Standard Blade	40A	Orange	5 PCS	766219C
764207	Puller	—	—	1 PC	764207



**Fleet
Series**

766207 Standard Blade Fuse Assortment Kit

766207 380PC Standard Blade Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766208	Standard Blade	1A	Black	10 PCS	766208C
766209	Standard Blade	2A	Grey	10 PCS	766209C
766210	Standard Blade	3A	Violet	25 PCS	766210C
766211	Standard Blade	4A	Pink	10 PCS	766211C
766212	Standard Blade	5A	Tan	50 PCS	766212C
766213	Standard Blade	7.5A	Brown	25 PCS	766213C
766214	Standard Blade	10A	Red	50 PCS	766214C
766215	Standard Blade	15A	Blue	50 PCS	766215C
766216	Standard Blade	20A	Yellow	50 PCS	766216C
766217	Standard Blade	25A	Clear	25 PCS	766217C
766218	Standard Blade	30A	Green	50 PCS	766218C
766219	Standard Blade	40A	Orange	25 PCS	766219C

Fuse Kits

Mini Flip Kits, Standard Blade Fuses

*766978 27PC Standard Blade Fuse (80VDC) Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty
766546	Standard Blade, 80VDC	5A	Tan	5 PCS
766547	Standard Blade, 80VDC	10A	Red	5 PCS
766548	Standard Blade, 80VDC	15A	Blue	5 PCS
766549	Standard Blade, 80VDC	20A	Yellow	5 PCS
766551	Standard Blade, 80VDC	30A	Green	5 PCS
664115	Fuse Holder with Attached Cover, Inline	5A-30A	Red Wire/Black Holder & Cover	1 PC
764207	Puller	—	—	1 PC



*766978 Standard Blade Fuse Assortment Kit, Maximum Voltage 80VDC

*766983 15PC Standard Blade Fuse Holder/Accessory Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
666263	Fuse Tap – Coverts 1-Circuit & 2-Circuit 16GA	1-10A	Red Wire/Black Holder	2 PCS	766263
664117	Panel Mount, Stackable, Inline	1A-30A	Orange Wire, Black Holder	2 PCS	764117
664123	Waterproof, Cover Included	1A-30A	Red Wire/Black Holder & Cover	1 PC	764123
664125	Inline	1A-30A	Black Wire/Black Holder	2 PCS	764125
664132	With Attached Cover, Inline	1A-30A	Red Wire/Black Holder & Cover	2 PCS	764132
764103	Self-Stripping, Inline	1A-20A	Blue	5 PCS	764103
†764210	Puller/Tester	1A-40A	Orange	1 PC	764210



*766983 Standard Blade Fuse Holder/Accessory Assortment Kit

† This Kit was previously supplied with the now discontinued 764208 Fuse Puller/Tester

Fuse Kits



**On-
The-Go
Series**

*766986 Mini Blade Fuse Assortment Kit

Mini Flip Kits, Mini Blade Fuses

*766986 92PC Mini Blade Fuse Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766240	Mini Blade	2A	Grey	5 PCS	766240C
766241	Mini Blade	3A	Violet	5 PCS	766241C
766242	Mini Blade	4A	Pink	5 PCS	766242C
766243	Mini Blade	5A	Tan	10 PCS	766243C
766244	Mini Blade	7.5A	Brown	5 PCS	766244C
766245	Mini Blade	10A	Red	15 PCS	766245C
766246	Mini Blade	15A	Blue	15 PCS	766246C
766247	Mini Blade	20A	Yellow	15 PCS	766247C
766248	Mini Blade	25A	Clear	5 PCS	766248C
766249	Mini Blade	30A	Green	10 PCS	766249C
666260	Fuse Holder 12GA	2A-30A	Red Wire/Black Holder & Cover	1 PC	766260
764207	Puller	—	—	1 PC	764207



**Fleet
Series**

766205 Mini Blade Fuse Assortment Kit

766205 240PC Mini Blade Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766240	Mini Blade	2A	Grey	10 PCS	766240C
766241	Mini Blade	3A	Violet	10 PCS	766241C
766242	Mini Blade	4A	Pink	10 PCS	766242C
766243	Mini Blade	5A	Tan	25 PCS	766243C
766244	Mini Blade	7.5A	Brown	10 PCS	766244C
766245	Mini Blade	10A	Red	50 PCS	766245C
766246	Mini Blade	15A	Blue	50 PCS	766246C
766247	Mini Blade	20A	Yellow	25 PCS	766247C
766248	Mini Blade	25A	Clear	25 PCS	766248C
766249	Mini Blade	30A	Green	25 PCS	766249C

Fuse Kits

Mini Flip Kits, Mini (Low-Profile) Blade Fuses

*766985 81PC Mini (Low-Profile) Blade Fuse Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766802	Mini (Low-Profile) Blade	2A	Grey	5 PCS	766802C
766803	Mini (Low-Profile) Blade	3A	Violet	5 PCS	766803C
766804	Mini (Low-Profile) Blade	4A	Pink	5 PCS	766804C
766805	Mini (Low-Profile) Blade	5A	Tan	10 PCS	766805C
766806	Mini (Low-Profile) Blade	7.5A	Brown	5 PCS	766806C
766807	Mini (Low-Profile) Blade	10A	Red	10 PCS	766807C
766808	Mini (Low-Profile) Blade	15A	Blue	10 PCS	766808C
766809	Mini (Low-Profile) Blade	20A	Yellow	10 PCS	766809C
766810	Mini (Low-Profile) Blade	25A	Clear	10 PCS	766810C
766811	Mini (Low-Profile) Blade	30A	Green	10 PCS	766811C
666266	Fuse Holder 12GA	2A-30A	Red Wire/Black Holder & Cover	1 PC	766266



*766985 Mini (Low-Profile) Blade Fuse Assortment Kit

766204 265PC Mini (Low-Profile) Blade Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766802	Mini (Low-Profile) Blade	2A	Grey	10 PCS	766802C
766803	Mini (Low-Profile) Blade	3A	Violet	10 PCS	766803C
766804	Mini (Low-Profile) Blade	4A	Pink	10 PCS	766804C
766805	Mini (Low-Profile) Blade	5A	Tan	25 PCS	766805C
766806	Mini (Low-Profile) Blade	7.5A	Brown	10 PCS	766806C
766807	Mini (Low-Profile) Blade	10A	Red	50 PCS	766807C
766808	Mini (Low-Profile) Blade	15A	Blue	50 PCS	766808C
766809	Mini (Low-Profile) Blade	20A	Yellow	50 PCS	766809C
766810	Mini (Low-Profile) Blade	25A	Clear	25 PCS	766810C
766811	Mini (Low-Profile) Blade	30A	Green	25 PCS	766811C



766204 Mini (Low-Profile) Blade Fuse Assortment Kit

Fuse Kits



*766984 Micro (2- & 3-) Blade Fuse Assortment Kit



Mini Flip Kits, Micro Blade Fuses

*766984 56PC Micro (2- & 3-) Blade Fuse Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766812	2-Blade Micro	5A	Tan	5 PCS	766812C
766813	2-Blade Micro	7.5A	Brown	5 PCS	766813C
766814	2-Blade Micro	10A	Red	5 PCS	766814C
766815	2-Blade Micro	15A	Blue	5 PCS	766815C
766816	2-Blade Micro	20A	Yellow	5 PCS	766816C
766817	2-Blade Micro	25A	Clear	5 PCS	766817C
766818	2-Blade Micro	30A	Green	5 PCS	766818C
666268	Fuse Holder 12GA, for 2-Blade Micro Fuses	5A-30A	Red Wire/Black Holder & Cover	1 PC	766268
766825	3-Blade Micro	5A	Tan	5 PCS	766825C
766826	3-Blade Micro	7.5A	Brown	5 PCS	766826C
766827	3-Blade Micro	10A	Red	5 PCS	766827C
766828	3-Blade Micro	15A	Blue	5 PCS	766828C



766275 Micro Blade Fuse Assortment Kit



766275 300PC Micro (2-Blade) Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766812	2-Blade Micro	5A	Tan	50 PCS	766812C
766813	2-Blade Micro	7.5A	Brown	25 PCS	766813C
766814	2-Blade Micro	10A	Red	50 PCS	766814C
766815	2-Blade Micro	15A	Blue	50 PCS	766815C
766816	2-Blade Micro	20A	Yellow	50 PCS	766816C
766817	2-Blade Micro	25A	Clear	25 PCS	766817C
766818	2-Blade Micro	30A	Green	50 PCS	766818C



766276 Micro (2- & 3-) Blade Fuse Assortment Kit



*766276 326PC Micro (2 & 3-) Blade Fuse Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766812	2-Blade Micro	5A	Tan	25 PCS	766812C
766813	2-Blade Micro	7.5A	Brown	25 PCS	766813C
766814	2-Blade Micro	10A	Red	50 PCS	766814C
766815	2-Blade Micro	15A	Blue	50 PCS	766815C
766816	2-Blade Micro	20A	Yellow	25 PCS	766816C
766817	2-Blade Micro	25A	Clear	25 PCS	766817C
766818	2-Blade Micro	30A	Green	25 PCS	766818C
766825	3-Blade Micro	5A	Tan	25 PCS	766825C
766826	3-Blade Micro	7.5A	Brown	25 PCS	766826C
766827	3-Blade Micro	10A	Red	25 PCS	766827C
766828	3-Blade Micro	15A	Blue	25 PCS	766828C
764207	Puller	—	—	1 PC	764207

Fuse Kits

Mini Flip Kits, LED Blade Fuses

*766982 9PC 'Maxi' Blade Fuse Assortment Kit – LED

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766762	Maxi Blade (LED)	20A	Yellow	1 PC	766762Q
766763	Maxi Blade (LED)	30A	Green	1 PC	766763Q
766764	Maxi Blade (LED)	40A	Orange	1 PC	766764Q
766765	Maxi Blade (LED)	50A	Red	1 PC	766765Q
766766	Maxi Blade (LED)	60A	Blue	1 PC	766766Q
766767	Maxi Blade (LED)	70A	Brown	1 PC	766767Q
766768	Maxi Blade (LED)	80A	Clear	1 PC	766768Q
766769	Maxi Blade (LED)	100A	Violet	1 PC	766769Q
666261	Fuse Holder 8GA	20A-60A	Red Wire/Black Holder & Cover	1 PC	766261



LED



*766982 'Maxi' Blade Fuse Assortment Kit – LED

*766981 56PC Standard Blade Fuse Assortment Kit – LED

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766771	Standard Blade (LED)	2A	Grey	5 PCS	766771C
766772	Standard Blade (LED)	3A	Violet	5 PCS	766772C
766773	Standard Blade (LED)	4A	Pink	5 PCS	766773C
766774	Standard Blade (LED)	5A	Tan	5 PCS	766774C
766775	Standard Blade (LED)	7.5A	Brown	5 PCS	766775C
766776	Standard Blade (LED)	10A	Red	5 PCS	766776C
766777	Standard Blade (LED)	15A	Blue	5 PCS	766777C
766778	Standard Blade (LED)	20A	Yellow	5 PCS	766778C
766779	Standard Blade (LED)	25A	Clear	5 PCS	766779C
766780	Standard Blade (LED)	30A	Green	5 PCS	766780C
766781	Standard Blade (LED)	40A	Orange	5 PCS	766781C
764207	Puller	–	–	1 PC	764207



LED



*766981 Standard Blade Fuse Assortment Kit – LED

Fuse Kits

LED



*766980 Mini Blade Fuse Assortment Kit – LED

Mini Flip Kits, LED Blade Fuses

*766980 52PC Mini Blade Fuse Assortment Kit – LED



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766782	Mini Blade (LED)	2A	Grey	5 PCS	766782C
766783	Mini Blade (LED)	3A	Violet	5 PCS	766783C
766784	Mini Blade (LED)	4A	Pink	5 PCS	766784C
766785	Mini Blade (LED)	5A	Tan	5 PCS	766785C
766786	Mini Blade (LED)	7.5A	Brown	5 PCS	766786C
766787	Mini Blade (LED)	10A	Red	5 PCS	766787C
766788	Mini Blade (LED)	15A	Blue	5 PCS	766788C
766789	Mini Blade (LED)	20A	Yellow	5 PCS	766789C
766790	Mini Blade (LED)	25A	Clear	5 PCS	766790C
766791	Mini Blade (LED)	30A	Green	5 PCS	766791C
666260	Fuse Holder 12GA	2A-30A	Red Wire/Black Holder & Cover	1 PC	766260
764207	Puller	–	–	1 PC	764207

LED

*766979 36PC Mini (Low-Profile) Blade Fuse Assortment Kit – LED



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766795	Mini (Low-Profile) Blade, LED	5A	Tan	5 PCS	766795C
766796	Mini (Low-Profile) Blade, LED	7.5A	Brown	5 PCS	766796C
766797	Mini (Low-Profile) Blade, LED	10A	Red	5 PCS	766797C
766798	Mini (Low-Profile) Blade, LED	15A	Blue	5 PCS	766798C
766799	Mini (Low-Profile) Blade, LED	20A	Yellow	5 PCS	766799C
766800	Mini (Low-Profile) Blade, LED	25A	Clear	5 PCS	766800C
766801	Mini (Low-Profile) Blade, LED	30A	Green	5 PCS	766801C
666266	Fuse Holder 12GA	2A-30A	Red Wire/Black Holder & Cover	1 PC	766266



*766979 Mini (Low-Profile) Blade Fuse Assortment Kit – LED

Fuse Kits

Mini Flip Kits, Specialty Fuses

766119 171PC AGC Glass Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766120	AGC Glass	1A	Glass	15 PCS	766120C
766122	AGC Glass	2A	Glass	15 PCS	766122C
766124	AGC Glass	3A	Glass	10 PCS	766124C
766125	AGC Glass	4A	Glass	10 PCS	766125C
766126	AGC Glass	5A	Glass	15 PCS	766126C
766128	AGC Glass	7.5A	Glass	15 PCS	766128C
766130	AGC Glass	10A	Glass	20 PCS	766130C
766131	AGC Glass	15A	Glass	15 PCS	766131C
766132	AGC Glass	20A	Glass	20 PCS	766132C
766133	AGC Glass	25A	Glass	15 PCS	766133C
766134	AGC Glass	30A	Glass	15 PCS	766134C
766042	Fuse Holder, Panel Mount	1A-15A	Black	5 PCS	766042B
764207	Puller	—	—	1 PC	



766119 AGC Glass Fuse Assortment Kit

*766998 10PC Battery Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty
766569	Battery Fuse	50A	White	1 PC
766571	Battery Fuse	75A	White	1 PC
766573	Battery Fuse	100A	White	1 PC
766574	Battery Fuse	125A	White	1 PC
766575	Battery Fuse	150A	White	1 PC
766577	Battery Fuse	200A	White	1 PC
766579	Battery Fuse	250A	White	1 PC
766580	Battery Fuse	300A	White	1 PC
762694	Insulated Nut	50A-300A	PPS	1 PC
762695	Battery Terminal (Univ)	50A-300A	Brass	1 PC



*766998 Battery Fuse Assortment Kit

*766999 8PC ANL Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty
766830	ANL Fuse	100A	White	1 PC
766831	ANL Fuse	150A	White	1 PC
766832	ANL Fuse	200A	White	1 PC
766833	ANL Fuse	250A	White	1 PC
766834	ANL Fuse	300A	White	1 PC
766835	ANL Fuse	400A	White	1 PC
766836	ANL Fuse	500A	White	1 PC
666151	Fuse Holder for ANL Fuse C/W Cover	100A-500A	Black With Clear Cover	1 PC



*766999 ANL Fuse Assortment Kit

Fuse Kits

Mini Flip Kits, Bolt-On Fuses (High Amperage)

766184 60PC Bolt-On (High-Amp) Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766192	Bolt-On Fuse, High-Amp	100A	Yellow	10 PCS	766192Q
766193	Bolt-On Fuse, High-Amp	125A	Green	5 PCS	766193Q
766194	Bolt-On Fuse, High-Amp	150A	Orange	10 PCS	766194Q
766195	Bolt-On Fuse, High-Amp	175A	White	5 PCS	766195Q
766196	Bolt-On Fuse, High-Amp	200A	Blue	5 PCS	766196Q
766197	Bolt-On Fuse, High-Amp	225A	Tan	5 PCS	766197Q
766198	Bolt-On Fuse, High-Amp	250A	Pink	10 PCS	766198Q
766199	Bolt-On Fuse, High-Amp	300A	Grey	10 PCS	766199Q



**Fleet
Series**

766184 Bolt-On (High-Amp) Fuse Assortment Kit

*766995 12PC Bolt-On (High-Amp) Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766202	Bolt-On Fuse, High-Amp	80A	Clear	1 PC	766202Q
766192	Bolt-On Fuse, High-Amp	100A	Yellow	1 PC	766192Q
766193	Bolt-On Fuse, High-Amp	125A	Green	1 PC	766193Q
766194	Bolt-On Fuse, High-Amp	150A	Orange	1 PC	766194Q
766195	Bolt-On Fuse, High-Amp	175A	White	1 PC	766195Q
766196	Bolt-On Fuse, High-Amp	200A	Blue	1 PC	766196Q
766197	Bolt-On Fuse, High-Amp	225A	Tan	1 PC	766197Q
766198	Bolt-On Fuse, High-Amp	250A	Pink	1 PC	766198Q
766199	Bolt-On Fuse, High-Amp	300A	Grey	1 PC	766199Q
766200	Bolt-On Fuse, High-Amp	400A	Black/Purple	1 PC	766200Q
766201	Bolt-On Fuse, High-Amp	500A	Black/Brown	1 PC	766201Q
666148	Fuse Holder	80A-500A	Black With Clear Cover	1 PC	766148



**On-
The-Go
Series**

*766995 Bolt-On (High-Amp) Fuse Assortment Kit

Fuse Kits

Mini Flip Kits, Bolt-On Fuses (Mid Amperage)

766156 60PC Bolt-On (Mid-Amp) Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766157	Bolt-On Fuse, Mid-Amp	30A	Orange	5 PCS	766157Q
766158	Bolt-On Fuse, Mid-Amp	40A	Green	10 PCS	766158Q
766159	Bolt-On Fuse, Mid-Amp	50A	Red	10 PCS	766159Q
766160	Bolt-On Fuse, Mid-Amp	60A	Yellow	5 PCS	766160Q
766161	Bolt-On Fuse, Mid-Amp	70A	Brown	5 PCS	766161Q
766162	Bolt-On Fuse, Mid-Amp	80A	White	5 PCS	766162Q
766163	Bolt-On Fuse, Mid-Amp	100A	Blue	5 PCS	766163Q
766164	Bolt-On Fuse, Mid-Amp	125A	Pink	5 PCS	766164Q
766165	Bolt-On Fuse, Mid-Amp	150A	Grey	5 PCS	766165Q
766166	Bolt-On Fuse, Mid-Amp	200A	Violet	5 PCS	766166Q



766156 Bolt-On (Mid-Amp) Fuse Assortment Kit

*766994 12PC Bolt-On (Mid-Amp) Fuse Assortment Kit



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766157	Bolt-On Fuse, Mid-Amp	30A	Orange	1 PC	766157Q
766158	Bolt-On Fuse, Mid-Amp	40A	Green	1 PC	766158Q
766159	Bolt-On Fuse, Mid-Amp	50A	Red	1 PC	766159Q
766160	Bolt-On Fuse, Mid-Amp	60A	Yellow	1 PC	766160Q
766161	Bolt-On Fuse, Mid-Amp	70A	Brown	1 PC	766161Q
766162	Bolt-On Fuse, Mid-Amp	80A	White	1 PC	766162Q
766163	Bolt-On Fuse, Mid-Amp	100A	Blue	1 PC	766163Q
766164	Bolt-On Fuse, Mid-Amp	125A	Pink	1 PC	766164Q
766165	Bolt-On Fuse, Mid-Amp	150A	Grey	1 PC	766165Q
766167	Bolt-On Fuse, Mid-Amp	175A	Tan	1 PC	766167Q
766166	Bolt-On Fuse, Mid-Amp	200A	Violet	1 PC	766166Q
666150	Fuse Holder	30A-200A	Black With Clear Cover	1 PC	766150



*766994 Bolt-On (Mid-Amp) Fuse Assortment Kit

Fuse Kits



766176 Cartridge Female-Type Link
(Regular) Fuse Assortment Kit

Mini Flip Kits, Cartridge Fuses, Female Link

766176 150PC Cartridge Fuse Female-Type Link (Regular) Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766170	Cartridge, Regular	20A	Light Blue	25 PCS	766170Q
766171	Cartridge, Regular	30A	Pink	25 PCS	766171Q
766172	Cartridge, Regular	40A	Green	25 PCS	766172Q
766173	Cartridge, Regular	50A	Red	25 PCS	766173Q
766174	Cartridge, Regular	60A	Yellow	50 PCS	766174Q



766829 Cartridge Female-Type Link
(Mini) Fuse Assortment Kit

766829 150PC Cartridge Female Link (Low-Profile) Fuse Assortment Kit

Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766819	Cartridge, Low-Profile	20A	Light Blue	25 PCS	766819Q
766820	Cartridge, Low-Profile	25A	White	25 PCS	766820Q
766821	Cartridge, Low-Profile	30A	Pink	25 PCS	766821Q
766822	Cartridge, Low-Profile	40A	Green	25 PCS	766822Q
766823	Cartridge, Low-Profile	50A	Red	25 PCS	766823Q
766824	Cartridge, Low-Profile	60A	Yellow	25 PCS	766824Q

Fuse Kits

Mini Flip Kits, Cartridge Fuses, Female Link

***766992 11PC Cartridge Fuse Female-Type Link (Regular & Low-Profile) Assortment Kit**



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty	Suggested Part# to Reorder
766170	Cartridge, Regular	20A	Light Blue	1 PC	766170Q
766171	Cartridge, Regular	30A	Pink	1 PC	766171Q
766172	Cartridge, Regular	40A	Green	1 PC	766172Q
766173	Cartridge, Regular	50A	Red	1 PC	766173Q
766174	Cartridge, Regular	60A	Yellow	1 PC	766174Q
766819	Cartridge, Low-Profile	20A	Light Blue	1 PC	766819Q
766820	Cartridge, Low-Profile	25A	White	1 PC	766820Q
766821	Cartridge, Low-Profile	30A	Pink	1 PC	766821Q
766822	Cartridge, Low-Profile	40A	Green	1 PC	766822Q
766823	Cartridge, Low-Profile	50A	Red	1 PC	766823Q
766824	Cartridge, Low-Profile	60A	Yellow	1 PC	766824Q



***766992 Cartridge Fuse (Regular & Low-Profile) Assortment Kit**

***766993 24PC Cartridge Female Link (Micro) Fuse Assortment Kit (Slotted & Non-Slotted)**



Kit Contents:

Part # in Kit	Fuse Type	Amperage	Colour	Qty
766890	Micro, Non-Slotted	15A	Grey	2 PCS
766891	Micro, Non-Slotted	20A	Light Blue	2 PCS
766892	Micro, Non-Slotted	25A	White	2 PCS
766893	Micro, Non-Slotted	30A	Pink	2 PCS
766894	Micro, Non-Slotted	40A	Green	2 PCS
766895	Micro, Slotted	15A	Grey	2 PCS
766896	Micro, Slotted	20A	Light Blue	2 PCS
766897	Micro, Slotted	25A	White	2 PCS
766898	Micro, Slotted	30A	Pink	2 PCS
766899	Micro, Slotted	40A	Green	2 PCS
766900	Micro, Slotted	50A	Red	2 PCS
766901	Micro, Slotted	60A	Yellow	2 PCS



***766993 Cartridge (Micro) Fuse (Slotted & Non-Slotted) Assortment Kit**

Fuse Kits

Mini Flip Kits, PAL Fuses

***766996 17PC PAL Male (Straight & 13/16" Bent) Fuse Assortment Kit**



Kit Contents:

Part #	Fuse Type	Amperage	Colour	Qty
766863	PAL, Male Straight	20A	White	1 PC
766864	PAL, Male Straight	30A	Pink	1 PC
766865	PAL, Male Straight	40A	Green	1 PC
766866	PAL, Male Straight	50A	Red	1 PC
766867	PAL, Male Straight	60A	Yellow	1 PC
766868	PAL, Male Straight	70A	Brown	1 PC
766869	PAL, Male Straight	80A	Black	1 PC
766870	PAL, Male Straight	100A	Blue	1 PC
766871	PAL, Male Straight	120A	Light Grey	1 PC
766882	PAL, Male 13/16" Bent	30A	Pink	1 PC
766883	PAL, Male 13/16" Bent	40A	Green	1 PC
766884	PAL, Male 13/16" Bent	50A	Red	1 PC
766885	PAL, Male 13/16" Bent	60A	Yellow	1 PC
766886	PAL, Male 13/16" Bent	70A	Brown	1 PC
766887	PAL, Male 13/16" Bent	80A	Black	1 PC
766888	PAL, Male 13/16" Bent	100A	Blue	1 PC
766889	PAL, Male 13/16" Bent	120A	Light Grey	1 PC



***766996 PAL Male (Straight & 13/16" Bent) Fuse Assortment Kit**

***766997 15PC PAL Male (9/16" Bent) & Female (All Types) Fuse Assortment Kit**



Kit Contents:

Part #	Fuse Type	Amperage	Colour	Qty
766846	PAL, Female	20A	White	1 PC
766847	PAL, Female	30A	Pink	1 PC
766848	PAL, Female	40A	Green	1 PC
766849	PAL, Female	50A	Red	1 PC
766850	PAL, Female	60A	Yellow	1 PC
766902	PAL, Female (Mini)	30A	Pink	1 PC
766903	PAL, Female (Mini)	40A	Green	1 PC
766855	PAL, Female w/ Locking Tab	25A	Brown	1 PC
766856	PAL, Female w/ Locking Tab	30A	Green	1 PC
766873	PAL, Male 9/16" Bent	30A	Pink	1 PC
766874	PAL, Male 9/16" Bent	40A	Green	1 PC
766875	PAL, Male 9/16" Bent	50A	Red	1 PC
766878	PAL, Male 9/16" Bent	80A	Black	1 PC
766879	PAL, Male 9/16" Bent	100A	Blue	1 PC
766880	PAL, Male 9/16" Bent	120A	Light Grey	1 PC



***766997 PAL Male (9/16" Bent) & Female (All Types) Fuse Assortment Kit**

Fuse Kits

Standard & Mini Blade Fuse Assortment Kit

766000 This handy assortment kit comes complete with 95 pieces of popular Automotive Blade Fuses (60 Standard Blade Fuses and 35 Mini Blade Fuses)... all in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 7-1/4"W x 5-1/8" L x 1-1/8" H

Kit Contents:

60 Standard Blade Fuses

Part#	Amperage	Colour	Qty
766212	5A	Tan	5 pcs
766214	10A	Red	15 pcs
766215	15A	Blue	5 pcs
766216	20A	Yellow	15 pcs
766217	25A	Clear	5 pcs
766218	30A	Green	15 pcs

35 Mini Blade Fuses

Part#	Amperage	Colour	Qty
766243	5A	Tan	5 pcs
766245	10A	Red	5 pcs
766246	15A	Blue	5 pcs
766247	20A	Yellow	10 pcs
766248	25A	Clear	5 pcs
766249	30A	Green	5 pcs



766000 Standard & Mini Blade Fuse Assortment Kit in a Plastic Storage Tray

Standard Blade Fuse Assortment Kit

766001 This handy assortment kit comes complete with 100 pieces of popular Standard Blade Fuses in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 7-1/4"W x 5-1/8" L x 1-1/8" H

Kit Contents:

Part#	Amperage	Colour	Qty
766208	1A	Black	5 pcs
766209	2A	Grey	5 pcs
766210	3A	Violet	5 pcs
766211	4A	Pink	5 pcs
766212	5A	Tan	15 pcs
766213	7.5A	Brown	5 pcs

Part#	Amperage	Colour	Qty
766214	10A	Red	15 pcs
766215	15A	Blue	5 pcs
766216	20A	Yellow	15 pcs
766217	25A	Clear	5 pcs
766218	30A	Green	15 pcs
766219	40A	Orange	5 pcs



766001 Standard Blade Fuse Assortment Kit in a Plastic Storage Tray

Fuse & Fuse Accessories' Assortment – 'Flip' Kit

766010 This assortment contains 327 pieces of popular Blade Fuses & Fuse Accessories. Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.

Kit Contents:

Part#	Description	Qty
764103	Fuse Holder Inline For Std Blade Fuses	5 pcs
764125	Fuse Holder Inline Std Blade 12GA Black	5 pcs
764130	Fuse Holder Inline Std Blade 14GA Black	5 pcs
764132	Fuse Holder Inline Std Blade 12GA Red C/W Cover	5 pcs
764206	Fuse Tool Long	1 pc
764207	Fuse Tool Short	1 pc
766212	Fuse Blade Standard 5amp Tan	25 pcs
766214	Fuse Blade Standard 10amp Red	25 pcs
766215	Fuse Blade Standard 15amp Blue	25 pcs
766216	Fuse Blade Standard 20amp Yellow	25 pcs

Part#	Description	Qty
766217	Fuse Blade Standard 25amp Clear	25 pcs
766218	Fuse Blade Standard 30amp Green	25 pcs
766243	Fuse Blade Mini 5amp Tan	25 pcs
766245	Fuse Blade Mini 10amp Red	25 pcs
766246	Fuse Blade Mini 15amp Blue	25 pcs
766247	Fuse Blade Mini 20amp Yellow	25 pcs
766248	Fuse Blade Mini 25amp Clear	25 pcs
766249	Fuse Blade Mini 30amp Green	25 pcs
766260	Fuse Holder Inline Mini Blade 12GA Red W/Cover	5 pcs



766010 327 pc Fuse & Fuse Accessories' 'Flip' Kit

Merchandising/Storing



766011 Fuse Products in a Wall Mountable Display/Storage Panel

Fuse Products in a Wall Mountable Display/Storage Panel

766011 285 Fuses and Fuse products in a Wall Mountable Display/Storage Panel

Includes the following part numbers:

Part#	Description	Qty
764103	Fuse Holder Inline for Std Blade Fuses	10 pcs
764125	Fuse Holder Inline Std Blade 12GA Black	10 pcs
764130	Fuse Holder Inline Std Blade 14GA Black	10 pcs
766071	Circuit Breaker 15amp Plug-In	10 pcs
766072	Circuit Breaker 20amp Plug-In	10 pcs
766073	Circuit Breaker 30amp Plug-In	10 pcs
766212	Fuse Blade Standard 5amp Tan	25 pcs
766214	Fuse Blade Standard 10amp Red	25 pcs
766215	Fuse Blade Standard 15amp Blue	25 pcs
766216	Fuse Blade Standard 20amp Yellow	25 pcs
766217	Fuse Blade Standard 25amp Clear	25 pcs
766218	Fuse Blade Standard 30amp Green	25 pcs
766245	Fuse Blade Mini 10amp Red	25 pcs
766247	Fuse Blade Mini 20amp Yellow	25 pcs
766249	Fuse Blade Mini 30amp Green	25 pcs



763030 Wall Mountable Display/Storage Panel

Wall Mountable Display/Storage Bin Panel

An excellent storage solution that helps you display and/or organize small electrical parts. You can hang this rack up on a wall or on our new Grid Display Panel. Each of the 15 compartments has a small slot in front of it that will allow you to put a small reorder tag/product identifier so that you'll always know what is in each compartment!
 Overall dimensions: 22-1/2" W x 22" H.

763030 Wall Mountable Display/Storage Panel

[illegible]

Compression Fittings



Aluminum Compression Fittings

Aluminum

- IP52, IP54, IP65, IP67
- Flammability: V2 (UL94)
- Housing: Aluminum (exceptional resistance to corrosion)
- Environmental seal against dirt, moisture, coolants, corrosive fumes, etc.
- Operating temperature range: -40°C to 149°C

Outer Thread Size (Male)	Thread Length	Cable Range	1 PC/PK	25 PCS/PK
1/2" NPT	0.44"	.312" to .375"	769124	769124B
3/4" NPT	0.56"	.500" to .562"	769125	769125B
3/4" NPT	0.57"	.562" to .668"	769126	769126B



Nylon Compression Fittings

Nylon (Black)

- IP66, IP68 5 Bar, 30 minutes
- Flammability: V2 (UL94)
- Housing: PA-6 Polyamide (Nylon 6)
- Operating temperature range: -20°C to 100°C (Permanent)
-30°C to 150°C (Intermittent)
- Comes complete with Locknut

Outer Thread Size (Male)	Thread Length	Cable Range	25 PCS/PK
PG 7	0.315"	.079" to .197"	769138
PG 7	0.315"	.118" to .256"	769137
3/8" NPT	0.591"	.118" to .276"	769140
3/8" NPT	0.591"	.197" to .394"	769139
1/2" NPT	0.591"	.197" to .354"	769142
1/2" NPT	0.591"	.236" to .472"	769141
1/2" NPT	0.591"	.276" to .472"	769144
1/2" NPT	0.591"	.394" to .551"	769143
3/4" NPT	0.591"	.354" to .630"	769146
3/4" NPT	0.591"	.512" to .709"	769145



Thermoplastic Compression Fittings

Nylon (Grey)

- IP68 5 Bar, IP69K
- Flammability: V2 (UL94)
- Housing: PA (Nylon)
- Operating temperature range: -20°C to 80°C (Permanent)
-40°C to 100°C (Intermittent)
- Comes complete with Locknut

Outer Thread Size (Male)	Thread Length	Cable Range	25 PCS/PK
PG 21	0.591"	.354" to .630"	769134
PG 21	0.591"	.512" to .709"	769135

Lock-Nuts for Nylon Compression Fittings

Outer Thread Size (Male)	Colour (Material)	25 PCS/PK
PG 7	Black (Polyamide)	769121
3/8"	Black (Polyamide)	769130
1/2"	Black (Polyamide)	769136
3/4"	Black (Polyamide)	769155
PG 21	Black (Polyamide)	769163



Lock-Nuts for Nylon and Thermoplastic Compression Fittings

Junction Boxes

7-Terminal Junction Boxes

Clear, (Smoked) See-Through

- 7 x #10-32 zinc-dichromate studs (corrosion-resistant). Labelled
- Molded cover & housing with 5 entrance slots/access ports for easier wire routing
- Two bolt mounting (7-9/16" centre-to-centre)
- All mounting accessories, including 4 open and 4 closed rubber grommets for the access ports are supplied

1 PC/PK	12 PCS/PK
762124	762124B



762124 7-Terminal Junction Box (Clear)

Black

- 7 x #10-32 zinc-dichromate studs (corrosion-resistant). Labelled
- Molded cover & housing with 5 entrance slots/access ports for easier wire routing
- Two bolt mounting (7-9/16" centre-to-centre)
- All mounting accessories, including 4 open and 4 closed rubber grommets for the access ports are supplied
- Rubber gaskets on bolts seals out moisture
- 'Dog-point' guide allows for easier installation

1 PC/PK	12 PCS/PK
762134	762134B



762134 7-Terminal Junction Box (Black)

14-Terminal Junction Box

Black

- 14 x #10-32 zinc-dichromate studs (corrosion-resistant). Labelled
- Molded cover & housing with 6 entrance slots/access ports for easier wire routing
- Two bolt mounting (7-9/16" centre-to-centre)
- All mounting accessories, including 5 open and 5 closed rubber grommets for the access ports are supplied

1 PC/PK	12 PCS/PK
762135	762135B



762135 14-Terminal Junction Box (Black)

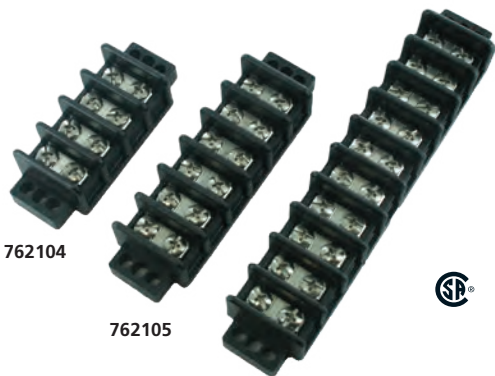
Terminal Blocks



762133

Terminal Block (Screw-Type) with Common "Hot-Feed" Connection

762133 Maximum 36 VDC. Solid brass buss bar with 1/4" stud power terminals. #8-32 screws for 10 circuit connections. #10 mounting holes are 5-3/8" apart, centre to centre



762104

762105

762106



Terminal Blocks (Screw-Type) with Independent Feeds

- 300 Volts • 20 Amps • Distance between barriers: .353"
- Terminal Screw size: #6-32 phillslot combination
- Terminals will accept maximum wire size of 12GA
- Dimensions: 1.37"W x 0.75"H • CSA Approved/UL Listed

# of Studs	Mounting Hole Centres	Length	Part#
4	2.18"	2.51" (63.8mm)	762104
6	3.06"	3.38" (85.9mm)	762105
10	4.81"	5.13" (130.3mm)	762106

J



762109

762114

762112

762113



Terminal Blocks (Stud-Type) – 'Non Feed Thru'

- 600 Volts • 30 Amps
- .750" centres on a 'dog-point' to guide nut onto #10-24 thread
- Non Feed-thru • CSA Approved/UL Listed

# of Studs	Mounting Hole Centres	Length	Part#
4	3.75"	4-1/2" (114.3mm)	762109
6	5.25"	6" (152.4mm)	762114
8	6.75"	7-1/2" (190.5mm)	762112
10	8.25"	9" (228.6mm)	762113

Pigtails & Sockets

12V Adapter Plug

***NEW *** 764102 12V Adapter Plug attached to a 12FT coiled cord

NOW
MADE WITH A
12FT COILED
CORD



*764102

12V Socket

***NEW *** 764112 12V Socket with ABS Bracket & Cover.

***NEW**



Side View



Front View



Bracket View



*764112

Switch & Sensor Connector

764494 90 degree universal round stud #8.



764494

Alternator Connector Socket Assemblies

For domestic vehicles (as listed)

764377 Heavy-duty alternator connector for GM 1971-1991. GM 6294493 (Delco# 7731).
Old# 764572 Contains: 1 x 12GA and 1 x 16GA colour-coded wire leads. For GM cars 1971+ internal voltage regulator.

764380 Ford alternator connector with integrated rectifier for Taurus, Sable, Tempo, Topaz, Aerostar (1985-1994). Contains: 3 x 10GA leads, 2 x 10GA, 1 x 20GA leads. 6 cyl with 75 amp (1989+), 4 cyl with 75 amp (1985+).



764377



764380

Pigtails & Sockets



764381



764415



764456



764457



764458



764465



764471



764475



764480



764481



764482



764485



764486



764487



764444



764449



764323



764324



764420



764423

Ford Replacement Sockets

Miscellaneous Replacement Ford Sockets

- 764381** Socket assembly for alternator harness – Ford 1975+.
- 764415** Ford socket for EEC relay. For Ford E3AZ 12A646 A-DY-308.
- 764456** Ford socket for engine fan switch for Ford/Mercury 1984-1986. E4FZ-8B607-A & E5FZ-8B607-A.
- 764457** Ford socket for fan switch E43Z-2B607-A.
- 764458** Ford socket for fan speed switch #YH-445, 490, 532, 535, 536 (E6DZ-19986-A, E9SZ-A, F2DZ-A, F2UZ-A-B) for Thunderbird/Cougar/Sable 1989-1993, Taurus 1986-1993 and E-Series Trucks, 1992.
- 764465** Ford repair harness for blower/motor resistor.
- 764471** Ford socket (grey) for oxygen sensor: #DY-585, 586, 618, 619, 643, 649 (FOTZ-95472-A, FOTZ-95472-B, FO9Z-A, FO9Z-C, F1SZ-A, F1UZ-C, F9UZ-B).
- 764475** Ford/Mercury/Lincoln socket for WG-30 windshield washer pump 1968-1994. Fits E3AZ-17664-A & eaoz-17664-A pumps.
- 764480** Ford socket for in-tank fuel pump #F23Z-9H307-A, sensing unit & general purpose applications for Ford vehicles 1985-1990.
- 764481** Ford fuel pump relay connector (E3FZ-9345-B). For Tempo, Topaz, Escort, Lynx 1982-1994.
- 764482** Ford socket for fuel EGR/temperature sensor #E6AZ-9J460-A, FOSZ-9J460-A. For Taurus/Sable/ Escort/Lynx/Scorpio 1988+.
- 764485** Ford EEC IV test plug 1983+.
- 764486** Ford socket for old coil (horseshoe-type). For Ford & Mercury (1977-1987) and Lincoln (1975-1984).
- 764487** Ford socket (grey) for E.E.C. IV ignition, neutral safety switch (E80Z-7A247-A). Replaces E5ZZ-12A209-A. Module# DY425, DY504, DY597, 1988+.

Replacement Ford A/C Blower & Heater Switch Sockets

- 764444** Ford socket connector for A/C blower. Motor resistor#E7TZ-19A06-A. For Ford trucks 1986-1994.
- 764449** Ford socket connector (YH-411) for heater switch.

Replacement Ford Turn Signal Switch Sockets

- 764323** Turn signal switch socket for Ford (1980-1994) #E7FZ 13441A. Contains 5 x 18GA, 8" leads.
- 764324** Turn signal switch socket for Ford (1980-1994) #E7FZ 13441A. Contains 2 x 18GA, 6 x 16GA 8" leads.

Replacement Ford Headlamp Switch Sockets

- 764420** Ford socket for headlamp switch SW-1975. For Ford E64Y-11654-A. For Mercury Sable 1986-1989.
- 764423** Ford socket for dash headlamp switch for Ford F-Series trucks. Switch# E7TZ-11654-C.

Pigtails & Sockets

Light Sockets

Incandescent Light Sockets

- 764302** 3 Wire contact socket for Chrysler 1979-1992 (3843432, 4362469). For lamp# 198, 1016, 1034, 1154, 1157.
- 764304** Double contact socket for Chrysler 1971-1993 (3513558, 3764561, 3764863, 3843431, 3747831). For lamp# 1157.
- 764305** Single contact socket for Chrysler 1974-1988 (3764865, 3843245, 4124721, 4163003, 4331051). For lamp# 87, 93, 1156.
- 764306** Universal single contact socket for 3/4" hole. For signal, park, stop or tail. For lamp# 67, 89, 1003, 1141, 1156, 1251, 1683.
- 764307** Universal double contact socket for signal, park, stop and tail. Also fits tail and parking lights on GM cars, trucks and trailers. Fits 3/4" hole. For lamp# 198, 1016, 1034, 1154, 1157, 2057.
- 764308** Universal double contact socket for stop & tail for AMC 1969-1979 (4486948) GM 1959-1968, 1970-1973 (2974309, 2983540, 6299087, 8912698). Fits 1-1/8" hole. For lamp# 1034, 1154, 1157, 2057.
Old# 764523
- 764309** Stop and tail light socket for GM (8903202, 8914822) Twist lock type. Focal length 7/8". Replaces grey OEM sockets. For lamp# 1157.
Old# 764550
- 764310** Stop and tail light socket for GM (8903203, 8914823) Twist lock type. Focal length 1-1/4". Replaces grey OEM sockets. For lamp# 1034, 1157, 2057.
Old# 764536
- 764322** Stop & tail socket for Ford (1987-1994). For lamp# 2458, 3057-3157.
- 764328** Socket for GM License 12001470, 12116169, 12078187 (Delco# LS-19) 1976-1995. Socket for Ford tail, stop and turn (E05Z 15A442B) 1988-1989. For lamps# 194, 194A.
- 764328B** Same as **764328**, except 10 pieces per pack.
- 764329** Side-marker, license, parking and tail light socket for Chrysler and GM. Chrysler (4274100) 1982-1986. GM (8912750, 12003896) 1973-1995. For lamp# 161, 168, 194, 194A.
- 764330** Side-marker, license plate light socket for Chrysler/GM/Ford Chrysler 1991-1993, GM 1969-1995, Ford 1968-1993. For lamp# 131, 168, 194, 194A. 6298892, E1FZ 13410A, D5V4-15A4422A
Old# 764537
- 764330B** Same as **764330**, except 10 pieces per pack.
- 764336** License plate light socket for Chrysler 1989-1992. Replaces Chrysler 4362133, 4414184. For lamp#194.
- 764343** GM grey socket for Chevrolet, Oldsmobile & Pontiac 1988-1995. Front: park and turn; Rear: stop, tail, turn. GM 12083006, 12092377 (Delco# LS-11). For lamp# 3057, 3157.
- 764344** GM black socket for Chevrolet, Oldsmobile & Pontiac 1988-1995. Front: park and turn; Rear: stop, tail, turn. GM 12083006 (Delco# LS-12). For lamp# 3157.
- 764345** GM Driving/park/stop/tail/turn light socket (1992-1997). Replaces GM 12083689 (Delco# LS15). For lamp# 2457, 2458 3057, 3157.
- 764347** Double contact socket for rear parking lamp. Ford D1FZ 13234A, D5UZ 13410A. For lamp# 1157.
- 764349** Front: signal & park light socket. Rear: signal, park & stop light socket for Ford 1974-1997. Replaces Ford: E1AZ-13410-A. For lamp# 198, 1016, 1034, 1157.
- 764354** Back-up, stop, tail, turn light socket for GM 1988-1997 Replaces GM: 12083680 (Delco# LS16). For lamp# 2457, 2458, 3057, 3157.
- 764355** GM back-up light socket (8909518). Lamp# 1156.
- 764356** Back-up light socket for GM 1988-1997. Replaces GM: 12085330 (Delco# LS17). For lamp# 2456, 3156.
- 764360** Back-up light socket for Ford 1984-1989. For lamp# 67, 89 93, 1003, 1073, 1141, 1156.
- 764368** GM front and rear side marker socket for Chevrolet Oldsmobile & Pontiac 1987-1995. GM (12083007). For lamp# T-24.
- 764369** GM socket 3 wire double contact. For GM 12003757, 12089345 (1977-1993). For lamp# 1157.



764302

764304

764305



764306

764307

764308



764309

764310

764322



764328

764329

764330



764336

764343

764344



764345

764347

764349



764354

764355

764356



764360

764368

764369

Pigtails & Sockets



764300



764301



764382



764383



764410



764392



*763366



*763365

Universal Pigtails

Universal, for most vehicles

764300 Universal single contact for replacement base socket.
Old# 733003 For lamp# 63, 67, 81, 89, 93, 209, 1003, 1073, 1129, 1133, 1141, 1156.

764301 Universal double contact for replacement base socket.
Old# 733009 For lamp# 64, 68, 82, 88, 90, 94, 210, 1004, 1034, 1074, 1130, 1154, 1157, 1158, 1176.

Voltage Regulator Pigtail Assemblies (Ford Vehicles)

764382 Pigtail assembly for voltage regulator for Ford 1965-1981 and AMC with Ford regulators.
Old# 764574

764383 Pigtail assembly for Ford internal voltage regulator for Tempo, Topaz, Taurus, Sable and Escort – 1986+.

Pigtail for 5-Pin Relays

764410 Universal, 5-wire pigtail connector for 5-pin relays. Red & White wires are 18GA. Blue, Green & Yellow wires are 16GA.

764410B Same as **764410**, except 10 pieces per pack

Pigtail & Socket Assemblies

For domestic vehicles

764392 Pigtail assembly (Insulated, with cap) for GM Blower Motor. Replaces GM 12101906 and 12101917. For GM products 1983-1991.



Deutsch Harnesses (DT-Series)

763366 2-Way Plug with 12" of 16GA Wire. 2 pieces of Heat Shrinkable Butt Splices included.

763366B Same as **763366**, except 10 Kits/PK.

763365 2-Way Receptacle with 12" of 16GA Wire. 2 pieces of Heat Shrinkable Butt Splices included.

763365B Same as **763365**, except 10 Kits/PK.

Pigtails & Sockets

GM Metri-Pack 150-Series Pigtails (Sealed)

- *761908** For Washer Pump / Low Coolant Sensor. PT374, 12102747 (1984-2004). 16GA Wires.



*761908



GM Metri-Pack 150-Series 'P2S' Pigtails (Sealed)

- *761909** For Direct Ignition Throttle Body Injection. PT118, 12085496 (1987-2002). 18GA Wires.



*761909

- *761910** For Throttle Position Sensor, Various Sensors & Switches. Sensor# 17112679, PT375, PT743, 12102748, 12126473, (1989-2004). 20GA Wires.



*761910



GM Metri-Pack 150.2-Series 'P2S' Pigtails (Sealed)

- *761911** For Manifold Air Temperature Sensor (#25036751, PT307, 12046624, 12102620 (1984-2003). 18GA Wires



*761911

- *761912** For MAP, Mass Airflow Sensor for 2.8L GM Engines with Sequential Fuel Injection. PT119, 12085497 (1985-1996). 18GA Wires



*761912

- *761913** For Distributor Module / Idle Air Control / Various Crank Sensors (25526124, 25535481, 25526122). Modules (1987466, PT757, 12126487). 1985-1996. 18GA Wires



*761913

- *761914** For Direct Ignition / Door Lock Actuator (22144362, 22144363, PT247, 12101855). 1987-2003. 18GA Wires



*761914



GM Metri-Pack 280-Series Pigtails (Sealed)

- *761915** For Multi-Port Fuel Injector Solenoid (PT113, 12085491). 1986-2003. 18GA Wires



*761915

- *761916** For Conering / Fog Lamp & Speed Sensor. For Halogen Bulbs: 881, 889, 894 (PT120, 12043215, 12085498. 1984-2003. 18GA Wires



*761916



GM Metri-Pack 280-Series Pigtails, Special (Sealed)

- *761917** For Tail Lamp with Vehicles with Metri-Pack (PT1014, 15305873). 1988+. 18GA Wires



*761917



J

Pigtails & Sockets



764490



*764028



764495



764496



764497



764498



764490



*764028



*764491



764493



764492



764498



764490



764028

Halogen Headlamp Light Sockets

- 764490** Universal socket for **H9003** Halogen bulbs. Can also be used as a socket for **H4** Halogen bulbs, as well as a wire connector assembly for 3-prong sealed beam lighting and 3-prong flashers. Internal connections are with regular non-insulated female quick disconnects/slide connectors.
- 764028** Universal socket for **H9003** Halogen bulbs. Can also be used as a socket for **H4** Halogen bulbs, as well as a wire connector assembly for 3-prong sealed beam lighting and 3-prong flashers. Internal connections are with regular non-insulated female quick disconnects/slide connectors with spring tensioning tab that ensures connections stay in place.
- 764495** Universal socket for **H9004 & H9007** Halogen bulbs. Also for Chrysler 4400395, 4414332, 4430976, 4439076.
- 764496** Universal socket for **H9005** Halogen bulbs.
- 764497** Universal socket for **H9006** Halogen bulbs. 12101897
- 764498** Universal socket for **H9008** Halogen bulbs. Can also be used as a socket for **H13** Halogen bulbs.

Halogen Light Sockets

- 764490** Universal socket for **H4** Halogen bulbs. Can also be used as a socket for **H9003** Halogen bulbs, as well as a wire connector assembly for 3-prong sealed beam lighting and 3-prong flashers. Internal connections are with regular non-insulated female quick disconnects/slide connectors.
- 764028** Universal socket for **H4** Halogen bulbs. Can also be used as a socket for **H9003** Halogen bulbs, as well as a wire connector assembly for 3-prong sealed beam lighting and 3-prong flashers. Internal connections are with regular non-insulated female quick disconnects/slide connectors with spring tensioning tab that ensures connections stay in place.
- 764491** Universal socket for **H7** Halogen bulbs.
- 764493** Universal socket for **H8 & H11** Halogen bulbs. 12043215, 12085498
- 764492** Universal socket for **H9** Halogen bulbs.
- 764498** Universal socket for **H13** Halogen bulbs. Can also be used as a socket for **H9008** Halogen bulbs.

Sealed Beam/Flasher Connectors

3 Wire Connector Assembly for 3-prong sealed beam lighting or 3-prong flashers. Can also be used as a universal socket for **H9003** Halogen bulbs as well as a socket for **H4** Halogen bulbs.

	Internal Connections	1 PC/PK	10 PCS/PK
	Regular non-insulated female quick disconnects/slide connectors	764490	764490B
	Regular non-insulated female quick disconnects/slide connectors with spring tensioning tab that ensures connections stay in place	764028	

Pigtail & Socket 'Mini Flip Kit' Assortment

- *764399** This handy assortment contains 28 pieces widely used Lamp/Bulb Pigtails & Sockets (12 types in all) in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder.
Dimensions: 11"W x 6"L x 1"H



*764399

Part#	Description	Qty	Part#	Description	Qty
764300	Universal Single Contact Base Socket	3 pcs	764492	H9 Halogen Bulb Socket	2 pcs
764301	Universal Double Contact Base Socket	3 pcs	764493	H8, H11 Halogen Bulb Socket	2 pcs
764328	194, 194A Socket	3 pcs	764495	H9004, H9007 Halogen Bulb Socket	2 pcs
764330	131, 168, 194, 194A Socket	3 pcs	764496	H9005 Halogen Bulb Socket	2 pcs
764490	Flasher/Sealed Beam (Female) Connector, also used as a Socket for H9003 Halogen Bulbs	2 pcs	764497	H9006 Halogen Bulb Socket	2 pcs
764491	H7 Halogen Bulb Socket	2 pcs	764498	H13, H9008 Halogen Bulb Socket	2 pcs

Electrical Testers

Circuit Testers

Tests:

- Alternators & Charging Systems
- Battery Cable Circuits
- CD/Tape Players
- Connectors
- Fuses & Fusible Relays
- Heating & A/C controls
- Lights (Stop & Tail, Dome)
- Power Antennas hook-ups
- Power Windows, Seats & Door Locks
- Radios
- Rear Window Defrosters
- Relays
- Switches
- Wiring

764700 Tests 6-24VDC systems. Features heavy-duty rubber coated lead wire, a heavy-duty ground clip and an unbreakable handle. Dimensions: Tool (7-1/4" or 184.15mm), Cord (5FT or 1.5m)



764700

4-Pole Electrical Tester

764002 Tests 4-Pole 'Flat-Type' connections for conductivity and viability of circuits



764002

7-Pole Trailer Connector Tester

764022 Tests 7-Pole Trailer Connector Sockets for conductivity and viability of circuits



764022

7-Pole RV Connector Tester

764149 Tests 7-Pole RV connections for conductivity and viability of circuits



764149

Fuse Testers

Fuse Puller/Tester



***764210** Puller & Tester is for **ALL Blade Fuses** and is easy to use. If the Fuse is functional, the LED will light up. If the fuse is blown, the LED will not light up. Simply adjust the probe to fit the width of the blade fuse being tested.



*764210



Adjustable probe to fit the width of the blade fuse

Fuse Pullers/Testers

Fuse Puller/Tester is easy to use. If the fuse is functional, the LED will light up. If the fuse is blown, the LED will not light up. Approximate length, including pins: 2-5/8" (66.67mm)

764209 For Mini Blade Fuses



764209

Lighting & Safety Equipment

This section contains recent additions and product updates/modifications to our Lighting & Safety Equipment offering. We expect to have a full Lighting & Safety Equipment Catalogue by the beginning of 2025.



Lighting & Safety Equipment

LED Search Lights

- 10-36VDC
- 60 Watts (6 x 10 Watt Diodes)
- High Impact Plastic Housing
- Polycarbonate Lens
- IP65
- Made with EMC Technology (Electro Magnetic Compatibility)

- Total Dimensions: 6.83" L x 7.21" H x 7.55" D
- Magnetic & Surface Mount
- Light Penetration distance: 1804FT (550M)
- LED colour: 6500K
- Rotation: 360°, Tilt: 60°
- Estimated Working Life: 50,000 Hours



Side View



Back View

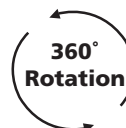
Remote Control/Smartphone Compatible

- Includes 1 Remote Control (Range: 98FT or 30 Metres)
- Cord length: 9.35 FT (2.85M)
- Reduced Radio Frequency Interference (RFI)

Description	Lumens	Part #
Spot Beam (10°)	4800	*723534

Description	Part #
Remote for the LED search Light (P# 723534)	*723534-R

4800 Lumens



NEW LED



*723534

Bluetooth™

*723534-R

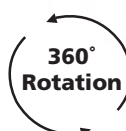
Hardwired

- Cord length: 16.4 FT (5 Metres)
- Full protection against Radio Frequency Interference (RFI)

Description	Lumens	Part #
Spot Beam (10°)	4800	*723533



4800 Lumens



NEW LED

K



*723533

Ideal for use in Mining Applications

Lighting & Safety Equipment

Rectangular Tractor/Utility/Scene Lamp

With Temperature Control System



*725271



Back View



Side View



LED

- 10-30VDC (1.54A @ 12V, 0.80A @ 24V)
- 52 Watts (52 x 1W Diodes)
- Die-Cast Aluminum Housing (Black)
- Back also functions as a built-in 'heat sink'
- Polycarbonate Lens
- Stainless Steel Hardware
- IP68, IP69K
- Made with EMC Technology (Electro Magnetic Compatibility), meaning protection against Radio Frequency Interference (RFI)
- Dimensions: 5.91"W x 1.85"H x 1.56"D
- Surface Mount
 - 5.28" Centre to Centre, Mounting Holes are 10mm Dia.

Light Beam Pattern	Lumens	1 PC/PK
Flood Beam (120°)	2900 Lumens (Raw) 2300 Lumens (Effective)	*725271

*NEW



45° downward facing flood beam allows for illumination of a larger area



K



Lighting & Safety Equipment

2-1/2" Round Tractor/Utility Lamp

- 10-30VDC (0.76A @ 12V, 0.43A @ 24V)
- 12 Watts (8 x 1.5W Diodes)
- Die-Cast Aluminum Housing (Black)
- Back also functions as a built-in 'heat sink'
- Polycarbonate Lens
- Stainless Steel Hardware
- IP68, IP69K
- Made with EMC Technology (Electro Magnetic Compatibility), meaning protection against Radio Frequency Interference (RFI)
- Dimensions: 2.5" Dia. x 1.38"D
- Stud Size: 8mm
- Pedestal Mount

Light Beam Pattern	Lumens	1 PC/PK	30 PCS/ DISPLAY BOX
Flood Beam 73°(Hor), 60°(Ver)	1040 (Raw) 993 (Effective)	*725272	*725272-POP

*NEW

ARRIVING
SEPTEMBER,
2024

NEW

LED



*725272



**1040
Lumens**

2-1/2" Round Tractor/Utility Lamp – Countertop POP Display

*725272-POP Includes 30 individually packaged 2-1/2" Round Lamps in a coloured countertop display. As of the printing of this catalogue, this design of this POP Display is still in the development phase so the final product may not be exactly as shown. POP Display Dimensions: 12-1/2"H x 14.1/4"W x 15-1/2"D

ARRIVING
SEPTEMBER,
2024

NEW

LED



May not be exactly as shown

*725272-POP

K

Lighting & Safety Equipment

LED Snow Plow Lights

This light features a directional mount that can be applied to the base or back of the light.

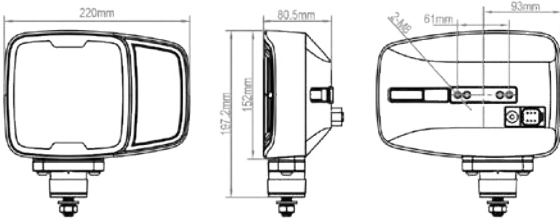


- 10-30VDC
- Aluminum Housing (Black)
- Main Light: Heated Glass Lens. Turn Signal: Polycarbonate Lens
- Stainless Steel Hardware
- IP67
- Made with EMC Technology
- M12 x 45mm Stud
- Comes with Deutsch Connection & Installation Hardware
- SAE/DOT Compliant
- Auto Lens Heater
- Bezel-less and Screw-less frame reduces dirt/snow/ice accumulation



3564 Lumens (High Beam)	1620 Lumens (Low Beam)	328 Lumens (Turn Signal)	47 Lumens (Position Light)
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Dimensions for 725502 Lights



Description	Part #
Curbside Light (1 PC)	*725502-TC
Roadside Light (1 PC)	*725502-RR
1 SET (2 PCS)	*725502-PR

Description	Lumens	Current Draw
High Beam	3564	1.76A @ 12V, 0.88A @ 24V
Low Beam	1620	1.48A @ 12V, 0.74A @ 24V
Heating Element	—	—

K

Dual Lamp Harness for 725502-series LED Snow Plow Lights



USE THE
DUAL LAMP
HARNESS WITH
THE 725502
SERIES SNOW
PLOW LIGHTS



Functions	Certificate
Low Beam	DOT/SAE
High Beam	DOT/SAE
Position Light	—
Turn Signal Light	—



- Ground Negative Pole
- High Beam
- Low Beam
- Curbside Indicator
- Park Light
- Roadside Indicator

Description	1 PC/PK
Dual Lamp Harness for LED Snow Plow Lights	725503



Deutsch Connection

Lighting & Safety Equipment

LED Snow Plow Lights

Detachable Amber Turn Signal Lamp can be mounted in the Right, Middle or Left position

Description	Part #
1 SET (2 PCS)	725500-PR

- 10-30VDC
- Aluminum Housing (Black)
- Glass Lens (Tempered)
- Stainless Steel Hardware
- IP68
- Made with EMC Technology
- 3/8" Stud
- Comes with Deutsch Connection & Installation Hardware
- SAE/DOT compliant
- Auto Lens Heater
- Automatic heating sensor will be activated when the environment temperature is $\leq -3^{\circ}\text{C}$



Description	Lumens	Optimal Beam Distance	Current Draw
High Beam	3600	1600FT (487m)	3.0A @ 12V, 1.50A @ 24V
Low Beam	1800	980FT (298m)	1.7A @ 12V, 0.85A @ 24V
Heating Element	—	—	1.9A @ 12V



Features	Benefits
Auto Lens Heater	Melts snow off for better visibility (Increases Safety)
SAE/DOT compliant as a High & Low Beam Headlight, Turn Signal, Parking Lamp	Legal for "On-Road" Use
Detachable Turn Signal*	Can be mounted in the Right, Left or Middle position.
Universal Mounting*	Horizontal or Vertical Mount
Deutsch Connection (6-Pin)	Environmentally Sealed Connections
EMC Technology	Protection against RFI

Dual Lamp Harness for 725500-series LED Snow Plow Lights



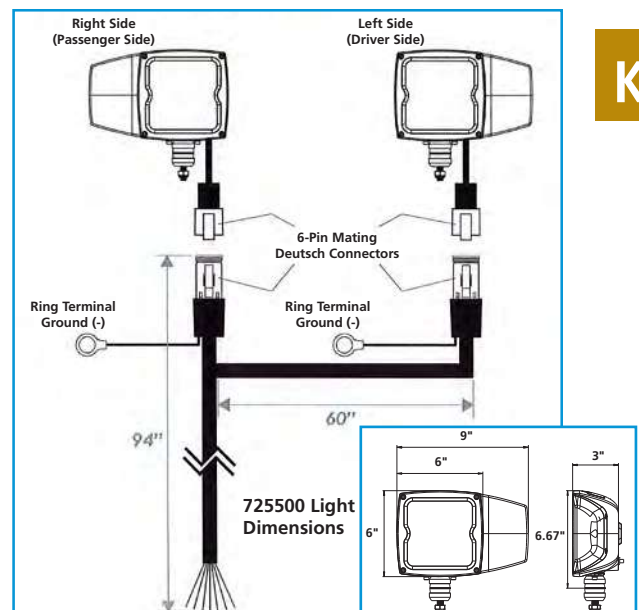
725501

Deutsch Connection



USE THE
DUAL LAMP
HARNESS WITH
THE 725500
SERIES SNOW
PLOW LIGHTS

Description	1 PC/PK
Dual Lamp Harness for LED Snow Plow Lights	725501



K

Lighting & Safety Equipment



*767021



*767022

Tow Light Kits (With Freeze-Flex Cable)

LED

Made with 30 feet of Techspan's, "**Freeze-Flex**" Trailer Cable, these Tow Light Kits are easier to work with in colder temperatures as cable remains flexible to -65°C (-85°F). Each assembly contains a 3" x 3" magnet attached to it (each magnet features a scratch-resistant covering). 12VDC applications. Tow Lights are supplied in Kits for quick and easy installation.

Magnetic Mount, with 2 Round 4" Sealed LED S/T/T Lamps (12-diodes)

Part#	Description	Qty/Pkg
*767021	Kit comes complete with 2 LED S/T/T Lamps in housings, 30ft of Freeze-Flex Trailer Cable, 4-Pole Trailer Connector Plug with attached Cable Protector	1 KIT

Magnetic Mount, with 2 Round 4" Sealed Incandescent S/T/T Lamps

Part#	Description	Qty/Pkg
*767022	Kit comes complete with 2 Sealed S/T/T Lamps in housings, 30ft of Freeze-Flex Trailer Cable, 4-Pole Trailer Connector Plug with attached Cable Protector	1 KIT



FREEZE-FLEX TRAILER CABLE (PVC)

Freeze-Flex Trailer Cable remains flexible at -65°C (-85°F) and withstands temperatures of up to 60°C (140°F). Freeze-Flex copper content exceeds the SAE J1128 requirement, and the black PVC outer jacket resists abrasion as well as chemicals, gasoline, diesel fuel, ozone and ultra-violet.



K



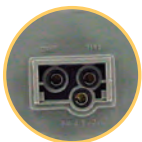
*735010

4" Round LED Sealed Lamps (12-24VDC)

LED

- 12-24VDC
- Lamp Dimensions: 4¼" Diameter x 7⁄8" H
- Mounting Clearance: 1⅞" Depth
- Emits a Star-Shaped Light Pattern When Lit
- Requires **764076** or **764109** Plug/Pigtail

Part #	Colour	Function	SAE	Qty/Pkg
*735010	Red	Stop/Turn/Tail	S2T2I6	1 PC



Female
Receptacle



Side View



Back View



Lighting & Safety Equipment

Clearance/Marker Lamps – LED

LED

- 12V (0.1A)
- Lamp Dimensions: 4" L x 2" W x 1" H
- Polycarbonate Housing & Lens
- Mounting Holes: 3" centre-to-centre
- Function: Clearance Marker (Amber & Red)
- SAE: P2 (Amber & Red)

Description	1 PC/PK	25 PCS/PK
Red	712324	712324B
Amber	712325	712325B
Green	*712332	*712332B

***NEW**



712324



712325



*712332

Round LED Compact Clearance/Marker Lamps (2-diodes)

LED

***NEW**

- 12VDC
- Lamp Dimensions: 3/4" Lens Diameter
- 21/32" Base Diameter
- 1-1/16" Grommet Diameter
- Mounts in a maximum 13/16" Diameter Hole
- Comes complete with grommets and 8" Wire Leads

Colour	Function	SAE	1 PC/PK	25 PCS/PK
Red diodes/ Clear Lens	Clearance/Marker	PC	*712257	*712257B
Amber diodes/ Clear Lens	Clearance/Marker	PC	*712258	*712258B



Close Up



Side View

*712257 / *712258



LED Traffic Director (Arrow Light)

LED

***NEW**

TECHSPAN® LED Traffic Directors are designed to provide mobile, on-site traffic directing capabilities. Use them on location for road construction, accident, or roadside repairs to steer traffic away from dangerous situations and roadway hazards. The Touchpad Microprocessor Control unit allows for toggling between 18 modes with distinctive flash options and speeds. LED Screen at the top of the Controller Unit mirrors whatever is happening on the Traffic Director.

Comes complete with Touchpad Controller Unit, 25FT Cable, hardware and instructions. Housing is made of extruded polycarbonate (one long hollow piece) and polycarbonate end caps with gaskets. The Controller Unit is cut from an aluminum extrusion with a back plate and a front touch pad.

Dimensions: 17"H x 46"W x 1.75"D



*744075

***744075** Amber Traffic Controller. 12-24VDC. Maximum Amperage: 5A. 25FT Cable

K

Lighting & Safety Equipment

Mini LED Light Bars – Compact (Single Colour Series)

- 10 User-selectable Flash Patterns
- Polycarbonate Base
- 40 Watts
- 10-30VDC (2.8A @ 12VDC, 1.4A @ 24VDC)
- IP67
- Dimensions (Surface Mount): 3" H x 11.26" L x 6.77" D
- Dimensions (Magnetic Mount): 1.59" H x 11.26" L x 6.77" D
- Dimensions (Permanent Mount): 1.7" H x 11.26" L x 6.77" D
- Classification: SAE J845 Class 1
- 12VDC Adapter Plug
 - 2 Switches (1 Power, 1 Selector)
 - 15.75' (4.8m) cord



745394.ND
Surface Mount



***745396.ND**
Single Bolt (Permanent Mount)



745395.ND
Magnetic Mount



All SKUs include
a 12V Adapter Plug



Single Colour Series

AMBER

- 40 x 1W Diodes
- Clear Polycarbonate Lens

LED

Colour	Description	Part #
● Amber	Bracket (Surface) Mount	745394.ND
● Amber	Magnetic Mount	745395.ND
● Amber	Single Bolt (Permanent Mount)	*745396.ND

***NEW**

Lighting & Safety Equipment

Mini LED Light Bars – Compact (Dual Colour Series)

- 15 User-selectable Flash Patterns (including single and dual colour options)
- Polycarbonate Base
- 80 Watts
- 10-30VDC (3.15A @ 12VDC, 1.58A @ 24VDC)
- IP67
- Dimensions (Surface Mount): 3" H x 11.26" L x 6.77" D
- Dimensions (Magnetic Mount): 1.59" H x 11.26" L x 6.77" D
- Dimensions (Permanent Mount): 1.7" H x 11.26" L x 6.77" D
- Classification: SAE J845 Class 1
- 12VDC Adapter Plug
 - 2 Switches (1 Power, 1 Selector)
 - 15.75' (4.8m) cord



AMBER + WHITE

- 80 x 1W Diodes (40 Amber, 40 White)
- Clear Polycarbonate Lens

LED

Colours	Description	Part #	
 Amber + White	Bracket (Surface) Mount	*745404.ND	*NEW
 Amber + White	Magnetic Mount	*745405.ND	*NEW
 Amber + White	Single Bolt (Permanent Mount)	*745406.ND	*NEW



Dual Colour Series (Amber + White)

AMBER + BLUE

- 80 x 1W Diodes (40 Amber, 40 Blue)
- Clear Polycarbonate Lens

LED

Colours	Description	Part #	
 Amber + Blue	Bracket (Surface) Mount	*745401.ND	*NEW
 Amber + Blue	Magnetic Mount	*745402.ND	*NEW
 Amber + Blue	Single Bolt (Permanent Mount)	*745403.ND	*NEW



Dual Colour Series (Amber + Blue)

Lighting & Safety Equipment

High Power, Low-Profile LED Beacons (Nylon Base)



*745407 / *745412

Dual Colour Series

- 19 User-selectable Flash Patterns (including single and dual colour options)
- 40 Watts
- 10-30VDC (1.46A @ 12VDC, 0.73A @ 24VDC)
- IP67
- Dimensions (Flange Mount): 6.50" Dia. x 3.05" H
- Dimensions (Magnetic Mount): 8" Dia. x 3.95" H
- Classification: SAE J845 Class 1
- 12VDC Adapter Plug
 - 2 Switches (1 Power, 1 Selector)
 - 15.75' (4.8m) cord



All SKUs include
a 12V Adapter Plug



*745408 / *745413

Amber + White

- 40 x 1W Diodes (20 Amber, 20 White)
- Clear Polycarbonate Lens

LED

Colours	Description	Part #
 Amber + White	Flange Mount	*745412
 Amber + White	Magnetic Mount	*745413

*NEW

*NEW



Dual Colour Series
(Amber Flash Pattern)



Dual Colour Series
(White Flash Pattern)



Dual Colour Series
(Amber + White Flash Pattern)

K

Amber + Blue

- 40 x 1W Diodes (20 Amber, 20 Blue)
- Clear Polycarbonate Lens

LED

Colours	Description	Part #
 Amber + Blue	Flange Mount	*745407
 Amber + Blue	Magnetic Mount	*745408

*NEW

*NEW



Dual Colour Series
(Amber Flash Pattern)



Dual Colour Series
(Blue Flash Pattern)



Dual Colour Series
(Amber + Blue Flash Pattern)

Lighting & Safety Equipment

High Power, Low-Profile LED Beacons (Aluminum Base)



Dual Colour Series

- Clear Polycarbonate Lens
- 12-24VDC (2.0A @ 14VDC)
- 80W (16 x 5W Diodes)
- IP67
- 6.37" Dia. x 3"H
- Threading for 1" NPT Pipe Mount is precast in the base in the Permanent Mount model only. Pipe not included
- 15 User Selectable Flash Patterns (including single and dual colour options)
- Classification: SAE J845 Class 1
- Magnetic Mount version comes with a 12VDC Adapter Plug equipped with 2 Switches (1 Power, 1 Selector) and a 15' (4.57m) cord

LED

Colours	Description	Part #
 Amber + Blue	Flange Mount	*745410
 Amber + Blue	Magnetic Mount	*745411

*NEW

*NEW



*745410



Magnetic Mount version includes a 12V Adapter Plug



*745411



Dual Colour Series
(Amber Flash Pattern)



Dual Colour Series
(Blue Flash Pattern)



Dual Colour Series
(Amber + Blue Flash Pattern)

High Power, Low-Profile LED Beacon (Nylon Base)



Single Colour Series

- Clear Polycarbonate Lens
- 10-30VDC (2.5A @ 12VDC, 1.25A @ 24VDC)
- 20 x 1W Diodes
- IP67
- 6.50" Dia. x 3.07"H
- 10 User-selectable Flash Patterns
- Classification: SAE J845 Class 1
- 3 Wires

LED

Colour	Description	Part #
 White	Flange Mount	*745409

*NEW



*745409

K



Single Colour Series (White)

Lighting & Safety Equipment

Rubber Base LED Beacons (Junior)

- 12-24VDC
- 1.2 Amps
- Rubber Base
- Polycarbonate Lens
- Dimensions: 4 1/2" H x 5 1/4" Base Diameter
- 72 Double Flashes Per Minute
- SAE J845 Class 2
- Magnetic Mount versions include a 15' cord with a 12V Adapter Plug and a lighted rocker switch

**Now
manufactured
with an LED
light source!**
Fit/Form/Function
is identical



745265LED



745267LED



745266LED

Surface Mount

LED

Colour	Previous Techspan #	Part #
Red	745265	745265LED
Amber	745266	745266LED
Blue	745267	745267LED



*745269LED



*745271LED



*745270LED

Magnetic Mount

LED

Colour	Previous Techspan #	Part #
Red	745269	745269LED
Amber	745270	745270LED
Blue	745271	745271LED

Rubber Base LED Beacons (Intermediate)

- 12-24VDC
- 1.2 Amps
- Rubber Base
- Polycarbonate Lens
- Dimensions: 6" H x 5 1/2" Base Diameter
- 72 Double Flashes Per Minute
- SAE J845 Class 2
- Available In Surface Mount and Magnetic Mount

- Magnetic Mount versions include a 15' cord with a 12V Adapter Plug and a lighted rocker switch

K



745272LED



745275LED

Amber

LED

Description	Previous Techspan #	Part #
Surface Mount	745272	745272LED
Magnetic Mount	745275	745275LED

Lighting & Safety Equipment

High Intensity (Senior) Beacons/Strobes – Aluminum Base

- Aluminum Base
- Polycarbonate Lens
- Clear Outer Dome
- Dimensions: 7.88" H x 8.63" Base Diameter
- Surface Mount
- Mounting Options: 3-1/2" Centre or 7" Centre
- Fully Encapsulated Circuitry
- Pre-installed hardware saves time & money
- Mounting bracket provided
- Encapsulated circuitry and fewer holes on body will prevent moisture from getting into the unit

Part#	Description	Qty/Pkg
745400	Amber Lens, 12-24VDC, 17 Joules, 2.3A @ 12V. Flash Pattern Options: Double / Quad Flash (SAE J845 Class 2)	1 PC
745258	Discontinued – Replaced by #745258LED Blue Lens, 12-48VDC, 14 Joules, 2.00A @ 12V. Flash Pattern Options: Single Flash (SAE J1318 Class 3) / Quad Flash (SAE J1318 Class 2)	1 PC
*NEW *745258LED	LED, Blue Diodes, Blue Lens, 12-36VDC, 4.9A @ 12V, Flash Pattern Options: Single, Double, Triple, Quad, Rotating (96 or 126 RPM). SAE J845 (Class 2)	1 PC



745400



***745258LED**

REPLACEMENT PARTS FOR 745400

735186AMB	Replacement Flashtube for 745400	1 PC
731981	Replacement Clear Outer Dome (Polycarbonate) for 745400	1 PC
731982	Replacement Inner Amber Lens (Polycarbonate) for 745400	1 PC

High Voltage LED Beacons

LED



- 120VAC (0.1A)
- Plastic Base
- Polycarbonate (Sonic Welded) Lens
- IP66
- Dimensions: 4.6" Diameter x 4" H
- Flange Mount & Optional 1/2" NPT Pipe Mount Socket. Pipe not included
- UL Listed

Colour	Flash Pattern	Previous Techspan #	Part #
 Red	60 Single Flashes per minute	745000	*745000LED
 Amber	60 Single Flashes per minute	745001	*745001LED
 Blue	60 Single Flashes per minute	745002	*745002LED
 Green	60 Single Flashes per minute	745003	*745003LED
 Amber	Flashing & Rotating	–	*745004



745000LED



745001LED



745002LED



745003LED



745004

**Now
 manufactured
 with an LED
 light source!**
 Fit/Form/Function
 is identical

K

Lighting & Safety Equipment

Combination Beacon/Alarm Warning Devices



*745010



*745011



*745012



*745013



*745014

Permanent Mount

- 12-48VDC
- 87dB "Piezo" Alarm (60 beeps/minute when Alarm is activated)
- 3 Bolts & Rubber Spacers for Mounting (Drill 3/16" Holes)
- Plastic Base
- Triple Flash
- Dimensions: 4" H x 4.6" Base Diameter
- Sonic-Welded for Long-Life Application

Colour	Part #	
Amber	*745010	*NEW
Blue	*745011	*NEW
Clear	*745012	*NEW
Green	*745013	*NEW
Red	*745014	*NEW



*745015



*745016

Cone Base Handle for 745015

Magnetic Mount (Portable, Rechargeable Battery)

- Amber Diodes, Amber Lens
- Rechargeable (Battery) Powered
- Magnetic Base
- Charge Level Display
- User can select Dual (Audio/Flashing) mode or Flashing mode only using the built-in Push-Button Switch
- 2 User selectable Flash Patterns
- 87dB "Piezo" Alarm (60 beeps/minute when Alarm is activated)
- 3-hour charge gives 8 hours of use
- Dimensions: 3.5" Diameter x 3.25" H
- Includes a USB Charging Kit
- Optional Cone Base available

Description	Part #	
Combination LED Flashing Lamp With Alarm	*745015	*NEW
Cone Base Handle for 745015	*745016	*NEW

*Device & Cone Handle sold separately



The 745015 & 745016 combined*



The 745015 & 745016 is a perfect combination to use on the top of a pylon for added safety at night

Lighting & Safety Equipment

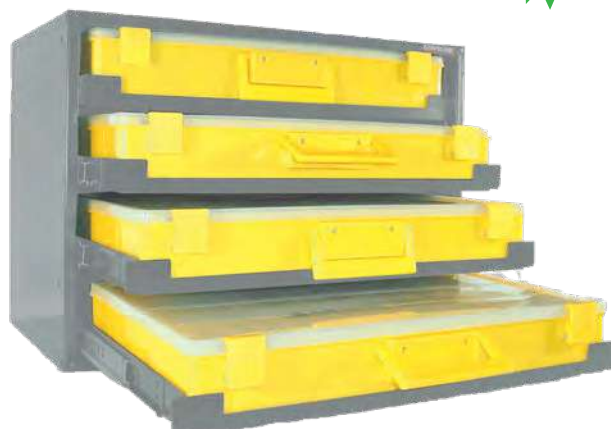
824 Piece Automotive Light Bulb 'Flip Kit' Assortment Package



***735000** 4 Automotive Light Bulb Kits, containing 46 widely used Headlamps, Halogens, Mini Bulbs, Bulb Replacements and complimentary Pigtails & sockets, along with a Grey Metal Rack. Dimensions of the Rack: 20.75"W x 12.5"L x 15"H.

Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. The 32 adjustable compartments allow you to customize your own kit... if you want! Each plastic storage tray comes with a carrying handle and with a decal that makes identifying product quick and easy.

Dimensions of each tray: 18"W x 12"L x 3"H.



More
information on
these Assortment
Kits can be found
on the pages that
follow



735001



735002



735003



735004

The 735000 Package includes 4 Light Bulb Kits:

735001 Headlamp Bulb (Halogen) 'Flip Kit' Assortment

This kit contains an assortment of 6 SKUs of the Halogen Headlamp Bulbs in a plastic storage tray



735003 Bulb Replacement 'Flip Kit' Assortment

This kit contains an assortment of 11 SKUs of popular Replacement Bulbs in a plastic storage tray



735002 Halogen Bulb 'Flip Kit' Assortment

This kit contains an assortment of 6 SKUs of H-Series Halogen Bulbs in a plastic storage tray



735004 Mini Bulb, Pigtail And Socket 'Flip Kit' Assortment

This kit contains an assortment of 23 SKUs of popular Bulbs, Pigtails & Sockets in a plastic storage tray



K

Lighting & Safety Equipment

Automotive Light Bulb 'Flip Kit' Assortments



735001 Headlamp Bulb Kit (Halogen)



22PC Halogen Headlamp Bulb Kit

735001 Contains 6 popular Halogen Headlamp Bulbs. 22 bulbs in total

Kit Contents:

Part #	Bulb	Qty
735144	9003	2
735150	9004	4
735147	9005	4
735146	9006	6
735165	9007	4
735051	9008	2



735002 Halogen Bulb Kit



50PC Halogen Bulb Kit

735002 Contains 6 popular Halogen Bulbs. 50 bulbs in total

Kit Contents:

Part #	Bulb	Qty
735440	H1	10
735357	H3	10
735153	H3	16
735343	H4	4
735441	H7	4
735442	H11	6

K

*Each Flip Kit comes with a Product Identifier/Reorder Decal. Dimensions of Kit: 18"W x 12"L x 3"H. These plastic kits come with a carrying handle and has 32 adjustable compartments

Lighting & Safety Equipment

Automotive Light Bulb 'Flip Kit' Assortments

330PC Bulb Replacement Kit

735003 Contains 11 popular Bulb Replacements. 330 bulbs in total

Kit Contents:

Part #	Bulb	Qty	Part #	Bulb	Qty
735120	1156	30	735139	3157NA	40
735121	1157	30	735140	4157	30
735447	1157A	20	735141	4157NA	20
735136	3057	40	735142	7440	10
735137	3156	40	735143	7443	30
735138	3157	40			



735003 Bulb Replacement Kit

422PC Mini Bulb, Pigtailed & Sockets

735004 Contains 23 popular Mini Bulb, Pigtailed & Sockets. 422 pieces in total

Kit Contents:

Part #	Bulb	Qty	Part #	Description	Qty
735100	57	30	764300	Pigtail/Socket – Most Single Contact Bulbs	4
735101	67	20	764301	Pigtail/Socket – Most Double Contact Bulbs	4
735111	89	20	764328	Pigtail/Socket – #194, 194A	4
735103	168	50	764330	Pigtail/Socket – #131, 168, 194, 194A	4
735104	194	50	764490	Pigtail/Socket – H4 / H9003 Bulbs	2
735443	194NA	50	764491	Pigtail/Socket – H7 Bulb	2
735115	921	40	764492	Pigtail/Socket – H9 Bulb	2
735114	912	20	764493	Pigtail/Socket – H8 & H11 Bulb	4
735133	1893	40	764495	Pigtail/Socket – H9004 & H9007	4
735134	1895	30	764496	Pigtail/Socket – H9005	4
735050	6418	30	764497	Pigtail/Socket – H9006	4
			764498	Pigtail/Socket – H13 & H9008	4



735004 Mini Bulbs, Pigtailed & Sockets Kit

K

Lighting & Safety Equipment



White Noise Back-Up Alarm

- 777079**
- 10-80VDC
 - Maximum Current Draw: 0.6A
 - Universal Mounting
 - 2 Wire Leads
 - IP66
 - Steam-Cleanable
 - Other Decibel levels available upon request

Decibel Level	1 PC/PK
97dB	777079



How Does It Work?

Scan the QR Code to view a demonstration video



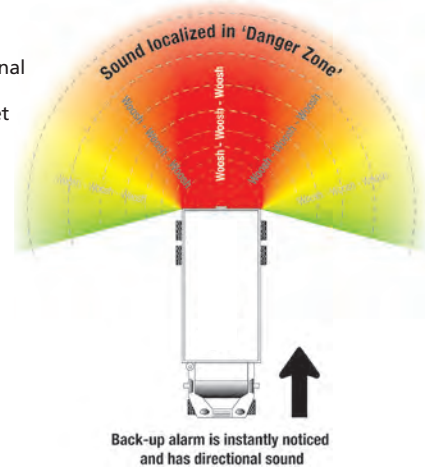
HOW WHITE NOISE BACK-UP ALARMS WORK

White Noise Back-Up Alarms provide the benefits of rich audible tones combined with the familiar sound of traditional warning alarms. They use a narrow array of frequencies resulting in a robust tone that is more easily tracked and yet universally recognized.

Sound dissipates quickly – No more noise pollution complaints!

WHY USE WHITE NOISE BACK-UP ALARMS?

- These Back-Up Alarms focus sound to the "Danger Zone" immediately behind the vehicle
- The directional warning sound makes them instantly noticeable to anyone (or anything in danger of colliding with the vehicle), all while decreasing or eliminating nuisance noise outside the "Danger zone". Low environmental impact.
- Industry standard mounting holes



Front View



Horns with optional 'Packard'-style connector



Rear View

Horns (Original Equipment) With Optional 'Packard'-Style Sealed Connector, 12VDC *NEW

Powerful sounding horn in a lightweight compact size. Exceeds SAE and OEM specifications for a wide range of vehicle applications. These horns feature a heavy-duty, corrosion-resistant steel housing and come complete with 2 plated mounting brackets (one of which is selected to fit the application). Either bracket can be easily mounted with supplied nut and has 360° rotation. Both a 'Packard'-style sealed connector and a 2-Terminal connector is supplied to match any application. 4-1/2"L x 5-1/8"W x 3-1/2"H (105 x 130 x 89mm). 130 dB minimum at 4" (10cm)

Description	Voltage	Frequency	Maximum Amperage	1 PC/PK	12 PCS/PK
High Pitch	12VDC	500 Hz	6A	*777033	*777033B
Low Pitch	12VDC	400 Hz	6A	*777035	*777035B

Horns (Original Equipment), 24VDC *NEW

These horns come complete with a plated bracket, which is easily mounted with the furnished nut and has a 360° rotation. 4-1/4"L x 5-1/8"W x 3-1/2"H (105 x 130 x 89mm). 112 minimum dB at 2 metres



***777031**



***777032**

Description	Voltage	Frequency	Maximum Amperage	1 PC/PK
High Pitch	24VDC	500 Hz	5A	*777031
Low Pitch	24VDC	420 Hz	5A	*777032

Flash Lights, Service Lights, Work Lights



Flash Lights, Service Lights, Work Lights



Receptacle on handle



769722

769707

Incandescent Service Lights



Retractable Cord Reel

769722 50FT (15.24m), 18/3 SVT Cord with a 3-prong receptacle on the handle of the light. Features a built-in circuit breaker. Reel is made with powder coated steel.

Blue SJTW Cord

16/3 SJTW cord remains flexible at temperatures as low as -40°C. With a 3-prong grounded receptacle (10A) on the handle of the light, other features include a durable ON/OFF Switch, a polarized plug and a galvanized metal lamp shield with a rubber tipped hang hook.

Cord Length	Part #
25FT	769707
50FT	769708



769704

Fluorescent Service Lights

- 13 Watt (Energy Saving) Fluorescent Bulbs
- Polycarbonate lens provides a 270° arc of light
- Shatter resistant housing

Standard

769704 25FT (7.62m), 16/3 SJT cord. 360° swivel hook *plus* magnetic mounting clip. 3-prong receptacle on handle

Retractable Reel

769700 20FT (6.10m), 18/2 SVT cord. 360° swivel hook. Ceiling or wall mount retractable reel.

769705 30FT (9.14m), 16/3 SJT cord. 360° swivel hook. 3-prong receptacle on handle. Ceiling or wall mount steel retractable reel.



769700



769705



769721

Replacement Parts for Fluorescent Service Lights

769721 Replacement polycarbonate lens for 769700, 769704, 769705

Flash Lights, Service Lights, Work Lights

LED 'Screw-In' Bulb Modules

Retrofit your Incandescent Service Light into a brighter, more efficient & safer LED Service Light in a few easy steps!

- Fits most 120V incandescent service lights
- Swivel hanging hook rotates 360°
- Protective bumpers found on all 4 corners of module heads
- Supplied clamp helps secure installation of LED module to service light, in addition to allowing module to rotate 360°
- Meets CE & FCC requirements
- Dimensions: 3.25"W x 8.50"H x 2"D



769736



769736 150 Lumens, 30 Diodes, 3W Total. Uses 3% of the energy of a 100W Incandescent Bulb.

Step 1



Step 2



Retrofit an incandescent Service Light into a brighter, more efficient & safer LED Service Light

Step 3



Step 4



Flash Lights, Service Lights, Work Lights

Flash/Flood/Dual Light – NiMH Battery Operated (Rechargeable)

LED

- Multi-Function (Flash, Flood & Dual Flash/Flood Light)
- Bright White diodes (35,000 hour life)
- Light weight design
- Impact & chemical resistant
- Removable clip magnet & hanger-hook
- 4-Function push button switch
- Internal long life rechargeable NiMH Battery included
- Home and car chargers included
- Retail-friendly blister packaging



769720



Part#	Flash Light	Flood Light	Dual Light	Length	Qty/Pkg
769720	1 diode, 65 Lumens	60 diodes, 120 Lumens	61 diodes, 185 Lumens	11.50"	1 PC



Spot/Flood Light – NiMH Battery Operated (Rechargeable)

LED

- Multi-Function (Spot & Flood Light)
- Bright White diodes (35,000 hour life)
- Virtually indestructible housing
- Impact, chemical/moisture resistant
- 3 Position Rocker Switch (Flood Light – Off – Spot Light)
- Removable, Dual Position Magnetic Hook
- Magnetic End
- Internal long life rechargeable NiMH Battery included
- Home and car chargers included
- Retail-friendly blister packaging



Part#	Spot Light	Flood Light	Dual Light	Length	Qty/Pkg
769724	4 diodes, 8 Lumens	30 diodes, 60 Lumens	34 diodes, 68 Lumens	12.50"	1 PC
769725	6 diodes, 12 Lumens	60 diodes, 120 Lumens	66 diodes, 132 Lumens	14.30"	1 PC



769724 769725



Dual Purpose
Magnet



Spot Light
in Handle



Dual-Position Magnet Hook
Hang Vertical or Horizontal

*Techspan has a lot more professional lighting, extension cord and cord reel products from which to choose. Check out the Techspan/Bayco catalogue or visit **www.techspan.ca***





Since 2008, Techspan has been supplying Cole Hersee to compliment its Wire, Cable & Electrical Accessories' and Lighting & Safety Equipment product offering. In addition to the standard Cole Hersee boxed product, Techspan supplies popular Cole Hersee SKUs in:

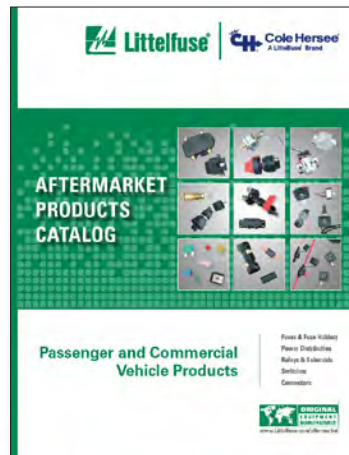
- Merchandiseable "Display Packs" that are see-through and hangable
- Bulk Packs for high volume users

It's a simple part numbering system...

Display Pack: Cole Hersee part number + suffix -DP = 5582-DP (for example)

Bulk: Cole Hersee part number + suffix -BULK = 5582-BULK (for example)

The following is a listing of popular Cole Hersee items that Techspan packages as Display Packs and Bulk. These items are sorted in numeric order. For more information on these products, consult the Cole Hersee catalogue:



Cole Hersee



2484-DP



5582-DP



5582-BULK



Part#	Description	Qty/Pkg
1235-BULK	Trailer Connector Socket 6 Pole 20pk	20 PCS/PK
1235-DP	Trailer Connector Socket 6 Pole [Display Pack]	1 PC/PK
2484-BULK	Master Disconnect Switch Rotary/Lever 2-Position 20pk	20 PCS/PK
2484-DP	Master Disconnect Switch Rotary/Lever 2-Position [Display Pack]	1 PC/PK
2484-06-DP	Master Disconnect Switch Rotary/Lever 2-Position [Display Pack]	1 PC/PK
2484-16-BULK	Master Disconnect Switch Rotary/Lever 2-Position 20pk	20 PCS/PK
2484-16-DP	Master Disconnect Switch Rotary/Lever 2-Position [Display Pack]	1 PC/PK
2484-A-DP	Master Disconnect Switch Rotary/Lever 2-Position [Display Pack]	1 PC/PK
4099-BULK	Alarm Buzzer 12v 20pk	20 PCS/PK
4099-DP	Alarm Buzzer 12v [Display Pack]	1 PC/PK
4758-BULK	4-Pole Terminal Black 20pk	20 PCS/PK
5520-BULK	Toggle Switch SPST 20pk	20 PCS/PK
5520-DP	Toggle Switch SPST [Display Pack]	1 PC/PK
5543-BULK	Toggle Switch & Recessed Plate 20pk	20 PCS/PK
5543-DP	Toggle Switch & Recessed Plate [Display Pack]	1 PC/PK
5558-DP	Toggle Switch SPST [Display Pack]	1 PC/PK
5582-BULK	Toggle Switch SPST 20pk	20 PCS/PK
5582-DP	Toggle Switch SPST [Display Pack]	1 PC/PK
5582-10-BULK	Toggle Switch SPST Coated, with Wire Leads 20pk	20 PCS/PK
5582-10-DP	Toggle Switch SPST Coated, with Wire Leads [Display Pack]	1 PC/PK
5586-BULK	Toggle Switch SPDT 20pk	20 PCS/PK
5586-DP	Toggle Switch SPDT [Display Pack]	1 PC/PK
5590-BULK	Toggle Switch DPDT 20pk	20 PCS/PK
5590-DP	Toggle Switch DPDT [Display Pack]	1 PC/PK
5592-DP	Toggle Switch DPDT [Display Pack]	1 PC/PK
9002-BULK	Momentary Door Switch Normally Off 20pk	20 PCS/PK
9002-DP	Momentary Door Switch Normally Off [Display Pack]	1 PC/PK
9095-BULK	Momentary Push Button Switch Normally Off 20pk	20 PCS/PK
9095-DP	Momentary Push Button Switch Normally Off [Display Pack]	1 PC/PK

Cole Hersee



24059-DP



4099-DP



4099-BULK



Part#	Description	Qty/Pkg
11750-BULK	Trailer Connector Plug Holder 7 Way Stor-A-Way 20pk	20 PCS/PK
11750-DP	Trailer Connector Plug Holder 7 Way Stor-A-Way [Display Pack]	1 PC/PK
9245-DP	Push Button Switch Normally Off w/Cap [Display Pk]	1 PC/PK
9579-BULK	Rotary/Ignition/Starter Switch 20pk	20 PCS/PK
9579-DP	Rotary/Ignition/Starter Switch [Display Pack]	1 PC/PK
24047-BULK	Solenoid 12v Intermittent-Duty 4 stud 20pk	20 PCS/PK
24047-DP	Solenoid 12v Intermittent-Duty 4 stud [Display Pack]	1 PC/PK
24059-BULK	Solenoid 12v Continuous-Duty 4 stud 20pk	20 PCS/PK
24059-DP	Solenoid 12v Continuous-Duty 4 stud [Display Pack]	1 PC/PK
24063-BULK	Solenoid 24v Continuous-Duty 4 stud 20pk	20 PCS/PK
24063-DP	Solenoid 24v Continuous-Duty 4 stud [Display Pack]	1 PC/PK
24082-BULK	Solenoid 12v Continuous-Duty 3 stud 20pk	20 PCS/PK
24082-DP	Solenoid 12v Continuous-Duty 3 stud [Display Pack]	1 PC/PK
24106-BULK	Solenoid 12v Continuous-Duty 3 stud 20pk	20 PCS/PK
24106-DP	Solenoid 12v Continuous-Duty 3 stud [Display Pack]	1 PC/PK
24117-BULK	Solenoid 12v Continuous-Duty 4 stud Sealed 20pk	20 PCS/PK
24450-BULK	Solenoid 12v Intermittent-Duty Motor Reversing 20pk	20 PCS/PK
24450-DP	Solenoid 12v Intermittent-Duty Motor Reversing [Display Pack]	1 PC/PK
24505-BULK	Locker Lever Kit for Master Disconnect Switches 20pk	20 PCS/PK
24505-DP	Locker Lever Kit for Master Disconnect Switches [Display Pack]	1 PC/PK
24213-BULK	Solenoid 12v Continuous-Duty 4 stud 20pk	20 PCS/PK
24213-DP	Solenoid 12v Continuous-Duty 4 stud [Display Pack]	1 PC/PK
30055-20-BULK	Circuit Breaker (2-Stud) 20A 12v Metal w/Inline Bracket 20pk	20 PCS/PK
30055-20-DP	Circuit Breaker (2-Stud) 20A 12v Metal w/Inline Bracket [Display Pack]	1 PC/PK
30055-30-BULK	Circuit Breaker (2-Stud) 30A 12v Metal w/Inline Bracket 20pk	20 PCS/PK
30055-30-DP	Circuit Breaker (2-Stud) 30A 12v Metal w/Inline Bracket [Display Pack]	1 PC/PK
30055-40-BULK	Circuit Breaker (2-Stud) 40A 12v Metal w/Inline Bracket 20pk	20 PCS/PK
30055-40-DP	Circuit Breaker (2-Stud) 40A 12v Metal w/Inline Bracket [Display Pack]	1 PC/PK
30055-50-BULK	Circuit Breaker (2-Stud) 50A 12v Metal w/Inline Bracket 20pk	20 PCS/PK
30055-50-DP	Circuit Breaker (2-Stud) 50A 12v Metal w/Inline Bracket [Display Pack]	1 PC/PK

Cole Hersee



46210-02-DP



58027-11-DP



58027-11-BULK



Part#	Description	Qty/Pkg
46210-02-BULK	Battery Jumper Terminal & Stud Positive (Red) 20pk	20 PCS/PK
46210-02-DP	Battery Jumper Terminal & Stud Positive (Red) [Display Pack]	1 PC/PK
46210-03-BULK	Battery Jumper Terminal & Stud Negative (Black) 20pk	20 PCS/PK
46210-03-DP	Battery Jumper Terminal & Stud Negative (Black) [Display Pack]	1 PC/PK
54100-DP	Toggle Switch SPST [Display Pack]	1 PC/PK
54109-BULK	Toggle Switch SPST White & Red Light 20pk	20 PCS/PK
54109-DP	Toggle Switch SPST White & Red Light [Display Pack]	1 PC/PK
55013-BULK	Toggle Switch SPST [Display Pack]	20 PCS/PK
55014-BULK	Toggle Switch SPST 20pk	20 PCS/PK
55014-DP	Toggle Switch SPST [Display Pack]	1 PC/PK
55020-DP	Toggle Switch SPST Momentary [Display Pack]	1 PC/PK
55020-04-BULK	Toggle Switch SPST Momentary Coated w/Wire Leads 20pk	20 PCS/PK
55021-BULK	Toggle Switch SPDT Mom 20pk	20 PCS/PK
55021-DP	Toggle Switch SPDT Mom [Display Pack]	1 PC/PK
55021-07-BULK	Toggle Switch SPDT Mom Coated, with Wire Leads 20pk	20 PCS/PK
55021-07-DP	Toggle Switch SPDT Mom Coated, with Wire Leads [Display Pack]	1 PC/PK
55036-DP	Toggle Switch SPDT Coated, w/Wire Leads [Display Pack]	1 PC/PK
55046-BULK	Toggle Switch DPDT Reversing 20pk	20 PCS/PK
55046-DP	Toggle Switch DPDT Reversing [Display Pack]	1 PC/PK
55054-BULK	Toggle Switch DPDT Mom 20pk	20 PCS/PK
55054-DP	Toggle Switch DPDT Mom [Display Pack]	1 PC/PK
57003-01-BULK	Rocker Switch SPDT 20pk	20 PCS/PK
57003-01-DP	Rocker Switch SPDT [Display Pack]	1 PC/PK
58027-01-BULK	Rocker Switch SPST 20pk	20 PCS/PK
58027-01-DP	Rocker Switch SPST [Display Pack]	1 PC/PK
58027-11-BULK	Rocker Switch DPDT 20pk	20 PCS/PK
58027-11-DP	Rocker Switch DPDT [Display Pack]	1 PC/PK
58328-04-BULK	Rocker Switch SPST 20pk	20 PCS/PK
58328-04-DP	Rocker Switch SPST [Display Pack]	1 PC/PK
58327-01-BULK	Rocker Switch SPST 20pk	20 PCS/PK
58328-11-DP	Rocker Switch SPST [Display Pack]	1 PC/PK

Cole Hersee



75920-DP



82159-2-DP



PL-20-RC-DP

Part#	Description	Qty/Pkg
58328-13-BULK	Rocker Switch SPST 20pk	20 PCS/PK
58328-13-DP	Rocker Switch SPST [Display Pack]	1 PC/PK
75712-04-BULK	Rotary Switch Reversing 20pk	20 PCS/PK
75904-01-BULK	Master Disconnect Switch 20pk	20 PCS/PK
75904-01-DP	Master Disconnect Switch [Display Pack]	1 PC/PK
75907-BULK	Master Disconnect Switch 20pk	20 PCS/PK
75907-DP	Master Disconnect Switch [Display Pack]	1 PC/PK
75908-BULK	Rotary Switch 2-Pos Lever 2 studs 20pk	20 PCS/PK
75908-DP	Rotary Switch 2-Pos Lever 2 studs [Display Pack]	1 PC/PK
75920-BULK	Master Disconnect Switch 20pk	20 PCS/PK
75920-DP	Master Disconnect Switch [Display Pack]	1 PC/PK
81255-BULK	Half Boot Seal for Toggle Switches, Black 80pk	20 PCS/PK
81255-DP	Half Boot Seal for Toggle Switches, Black [Display Pack]	1 PC/PK
81264-BULK	Full Boot Seal for Toggle Switches, Grey 80pk	20 PCS/PK
81264-DP	Full Boot Seal for Toggle Switches, Grey [Display Pack]	1 PC/PK
81264-01-BULK	Full Boot Seal for Toggle Switches, Black 20pk	20 PCS/PK
81264-01-DP	Full Boot Seal for Toggle Switches, Black [Display Pack]	1 PC/PK
81272-BULK	Extension for Toggle Switches, Yellow 20pk	1 PC/PK00
81272-DP	Extension for Toggle Switches, Yellow [Display Pack]	1 PC/PK
82159-2-BULK	Bezel (Middle) for Rocker Switches Mounting Set 20pk	20 PCS/PK
82159-2-DP	Bezel (Middle) for Rocker Switches Mounting Set [Display Pack]	1 PC/PK
82468-DP	Toggle Switch Flip Cover Guard [Display Pack]	1 PC/PK
90030-BULK	Push Button Switch Normally Off with Cap 20pk	20 PCS/PK
90030-DP	Push Button Switch Normally Off with Cap [Display Pack]	1 PC/PK
90043-07-BULK	Sealed Push Button Switch, PVC Coated 20pk	20 PCS/PK
90043-07-DP	Sealed Push Button Switch, PVC Coated [Display Pack]	1 PC/PK
91113-DP	Ball Switch Normal Off [Display Pack]	1 PC/PK
92116-BULK	Momentary Switch Normally Off 20pk	20 PCS/PK
98628-BULK	Hole Plug Cover for Rocker Switches 20pk	20 PCS/PK
99026-BULK	Relay Socket 40A 20pk	20 PCS/PK
99026-DP	Relay Socket 40A [Display Pack]	1 PC/PK

Cole Hersee



PL-20-RC-DP



RC400112-RN-DP



RC40012-D3-BULK



Part#	Description	Qty/Pkg
551840-BULK	Toggle Switch SPST 20pk	20 PCS/PK
551840-DP	Toggle Switch SPST [Display Pack]	1 PC/PK
551844-BULK	Toggle Switch SPDT Mom 20pk	20 PCS/PK
551844-DP	Toggle Switch SPDT Mom [Display Pack]	1 PC/PK
M-426-BULK	4-Pole Terminal Block 75pk	75 PCS/PK
M-426-DP	4-Pole Terminal Block [Display Pack]	1 PC/PK
M-626-02-BULK	Momentary Switch Normally Off 20pk	20 PCS/PK
M-626-02-DP	Momentary Switch Normally Off [Display Pack]	1 PC/PK
M-58031-01-BULK	Rocker Switch SPST 20pk	20 PCS/PK
M-58031-01-DP	Rocker Switch SPST [Display Pack]	1 PC/PK
PL-20-AC-BULK	Pilot Light Amber 20pk	20 PCS/PK
PL-20-AC-DP	Pilot Light Amber [Display Pack]	1 PC/PK
PL-20-GC-BULK	Pilot Light Green 20pk	20 PCS/PK
PL-20-GC-DP	Pilot Light Green [Display Pack]	1 PC/PK
PL-20-RC-BULK	Pilot Light Red 20pk	20 PCS/PK
PL-20-RC-DP	Pilot Light Red [Display Pack]	1 PC/PK
PL-118-RC001-BULK	Pilot Light Red 20pk	20 PCS/PK
PL-612-R-BULK	Pilot Light (LED) Red 20pk	20 PCS/PK
RA-700112-RN-BULK	Relay, 70A, Form_a, 12v, Res_brkt 20pk	20 PCS/PK
RA-700112-RN-DP	Relay, 70A, Form_a, 12v, Res_brkt [Display Pack]	1 PC/PK
RC-200124-NN-BULK	Relay, Form_c, 24v, Bracket 20pk	20 PCS/PK
RC-200124-NN-DP	Relay, Form_c, 24v, Bracket [Display Pack]	1 PC/PK
RC-200124-RN-BULK	Relay, Form_c, 24v, Resistor Brkt 20pk	20 PCS/PK
RC-200124-RN-DP	Relay, Form_c, 24v, Resistor Brkt [Display Pack]	1 PC/PK
RC-400012-DS-BULK	Relay, Form_c, 12v, Diode Sealed 20pk	20 PCS/PK
RC-400012-DS-DP	Relay, Form_c, 12v, Diode Sealed [Display Pack]	1 PC/PK
RC-400112-NN-BULK	Relay, Form_c, 12v, Bracket 20pk	20 PCS/PK
RC-400112-NN-DP	Relay, Form_c, 12v, Bracket [Display]	1 PC/PK
RC-400112-RN-BULK	Relay, Form_c, 12v, Resistor Brkt 20pk	20 PCS/PK
RC-400112-RN-DP	Relay, Form_c, 12v, Resistor Brkt [Display Pack]	1 PC/PK

Merchandising

Techspan continues to offer a wide selection of merchandising aids, displays (both functional & P.O.P.-type displays) and storage solutions for our products.

Pages 311 to 316 offer several P.O.P. (Point-of-Purchase) floor merchandisers to display Techspan product at varying levels of inventory commitment; from a single panel Free Standing Grid Display to 3 & 4-Sided Rotating (Grid Display, Triangular & Cube Spinners). It is our view that (with);

- The increased amount of options, variables and packaging variations available in each product category
- The increased amount of product categories
- Different markets served (Automotive, Heavy-Duty, Electrical, Industrial, Marine, etc)
- Varying levels of inventory commitment

...Techspan merchandisers are best offered with customer specified & customized product inventories, as no pre-set suggested inventory list would be universally acceptable.

We suggest the following steps:

- 1) Select the merchandiser to meet your showroom needs. See following pages. For ordering purposes, the part numbers for the bare displays racks (ie, without product) are as follows:

# of Sides	Display-Type	Description	Part#	Page #
2-Sided	Grid Display	Self-Standing	768183	312
4-Sided	Grid Display	Rotating	768184	313
3-Sided	Slat-Wall	Rotating	768195	316 (Triangle Spinner)
4-Sided	Slat-Wall	Rotating	768196	316 (Cube Spinner)

- 2) Provide a product listing (either Techspan part numbers or competitor part numbers that Techspan will cross reference)
- 3) Assuming the resulting stock order meets minimum levels for each merchandiser, Techspan will supply the floor merchandiser, hooks, signage, reorder tags and all necessary hardware at no charge.



Go to page 312 for details on our 2-Sided Grid Panel Display



Go to page 313-315 for details on our 4-Sided Rotating Grid Panel Display



Go to page 316 for details on our 3-Sided and 4-Sided Spinners



Merchandising

Grid Displays

- Durable vinyl-covered steel construction
- 24"W x 72"H (Maximum 80"H with header signage) with 3" square configuration
- Double outside vertical wires for superior strength
- Versatile design allows you to create your own display
- Display products using steel hooks, baskets, shelves & combination basket/shelf
- Easy to assemble

To Order these Grid Displays:

Option 1 (Make your own display)

- 1) Select from our single panel, Free Standing Grid Display to our 3 & 4-Sided Rotating Grid Displays
- 2) Select the products & part numbers you want to stock
- 3) Assuming the resulting stock order meets minimum levels for the selected Grid Displays, Techspan will supply the merchandiser, along with hooks and/or baskets and/or shelves, reorder tags and all necessary hardware at no charge

Option 2 (Pre-Set displays)

Since 1989, Techspan has been supplying Wire, Cable & Electrical Accessories to the Automotive, Electrical, Heavy-Duty, Industrial and Marine markets. We know the product...we know the market! It is in our best interest, as well as yours, to select product that end-user customers will use, and at the same time provide sales, inventory turns and profits for jobbers and warehouse distributors. See pages 216-217 to view our selection of pre-set panels for our Grid Displays

Option 3 (A combination of Option #1 & #2)

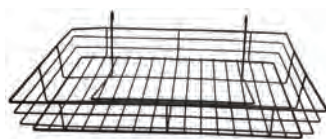
If some of our pre-set displays interest you, but you would like to choose some of the product that you would like to display, contact Techspan. We'll work something out!

Optional Grid Accessories:

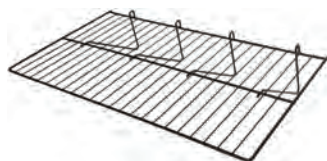
Part#		Qty/Pkg
668200	Grid Panel – 24"W x 72"H	1 PC
668199	Grid Basket – 12" x 12.5" x 8"	1 PC
668195	Grid Basket/Shelf – 23.5" x 12" x 4"	1 PC
668197	Grid Shelf – 23.5" x 12"	1 PC
668194	4" Steel Hook	1 PC
668198	6" Steel Hook	1 PC



668199
Grid Basket 12" x 12.5" x 8"



668195
Grid Basket/Shelf 23.5" x 12" x 4"



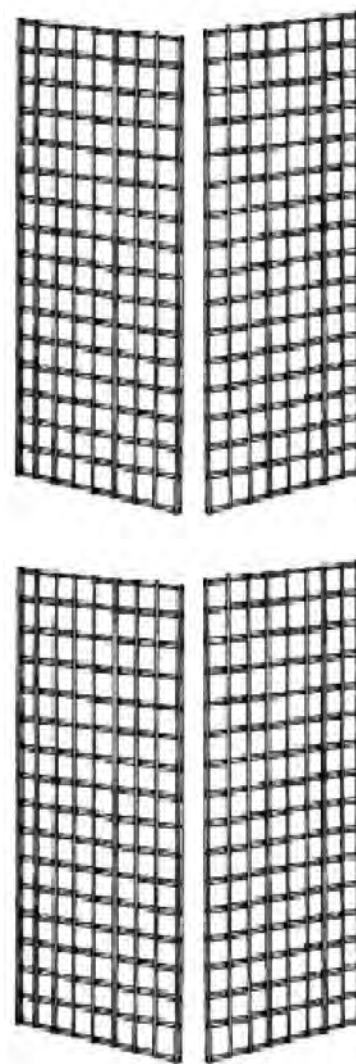
668197
Grid Shelf 23.5" x 12"



668194
4" Steel Hook

668198
6" Steel Hook

**CUSTOMIZE YOUR
OWN DISPLAY
TO SUIT YOUR
CUSTOMER/MARKET
REQUIREMENTS**



668200
Grid Panels 24"W x 72"H

Each Grid Panel comes with a Header Card describing features and benefits of the product the panel contains!



Disponible en français aussi!

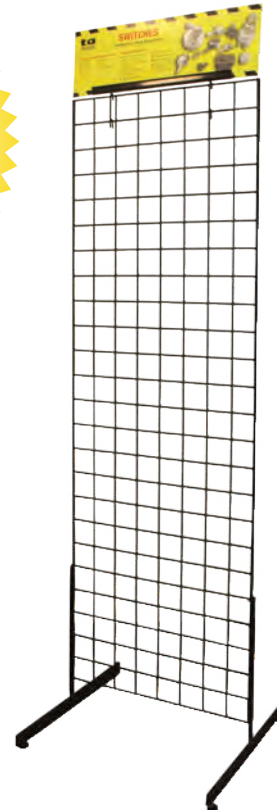
Merchandising

2-Sided Grid Panel Display

- 2 Sided
- Display unit includes
 - 1 Grid Panel
 - Header Signs (available in English & French)
 - Mounting Hardware for displays and signage
 - Steel hooks
 - TA Re-order tags
- Other options to display product include: baskets, shelves, combination basket/shelf



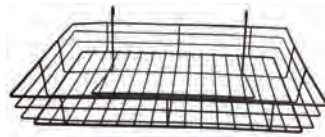
**CUSTOMIZE YOUR
OWN DISPLAY
TO SUIT YOUR
CUSTOMER/MARKET
REQUIREMENTS**



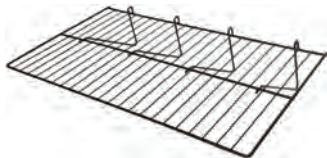
2-Sided Display



668199
Grid Basket 12" x 12.5" x 8"



668195
Grid Basket/Shelf 23.5" x 12" x 4"



668197
Grid Shelf 23.5" x 12"



668194
4" Steel Hook
668198
6" Steel Hook

Optional Grid Accessories:

Part#		Qty/Pkg
668200	Grid Panel – 24"W x 72"H	1 PC
668199	Grid Basket – 12" x 12.5" x 8"	1 PC
668195	Grid Basket/Shelf – 23.5" x 12" x 4"	1 PC
668197	Grid Shelf – 23.5" x 12"	1 PC
668194	4" Steel Hook	1 PC
668198	6" Steel Hook	1 PC
668196	Grid Panel 'Feet'; (Turns a single grid panel into a 1 or 2-sided self-standing display). Supplied as a pair	1 PAIR

Each Grid Panel comes with a Header Card describing features and benefits of the product the panel contains!



Merchandising

4-Sided Grid Panel Display

- 4 Sided
- 360° Rotation
- 34" Diameter Clearance for the floor base (Rotating Lazy Susan). Two layers of 3/4" plywood with steel turntable has 1000LB weight-bearing capacity
- Display unit includes:
 - 4 Grid Panels
 - Header Signs (available in English and French)
 - Rotating Display Base
 - Mounting Hardware for displays and signage
 - Steel hooks
 - TA Re-order tags
- Casters (optional) available upon request

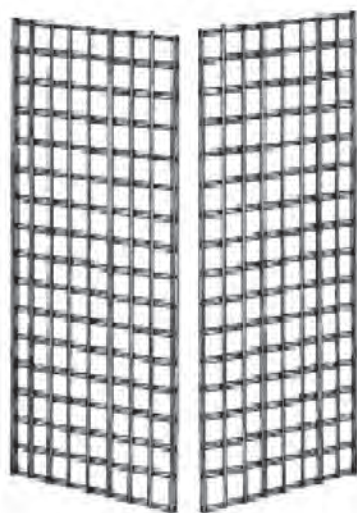
**CUSTOMIZE YOUR
OWN DISPLAY
TO SUIT YOUR
CUSTOMER/MARKET
REQUIREMENTS**



4-Sided Rotating Display

Optional Grid Accessories:

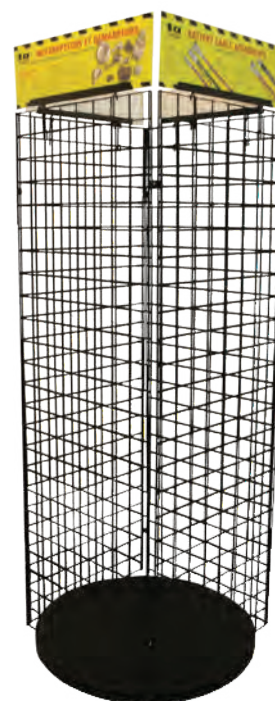
Part#		Qty/Pkg
668200	Grid Panel – 24"W x 72"H	1 PC
668194	4" Steel Hook	1 PC
668198	6" Steel Hook	1 PC



668200
Grid Panels 24"W x 72"H



For safety and protection of product, we do not recommend using baskets or shelves on the rotating displays.



Each Grid Panel comes with a Header Card describing features and benefits of the product the panel contains!



Merchandising

4-Sided Rotating Grid Display with Product

Contains Wire, Cable & Electrical Accessories' products on a proven P.O.P. display. This pre-determined display contains 279 popular SKUs for the Automotive, Heavy-Duty, Industrial & Marine markets.

Panel #1

- Dual Wall Heat Shrink Tubing (3:1 & 4:1)
- Single Wall Heat Shrink Tubing (2:1)
- Heat Torches
- Cable Ties & Accessories

668211 Comes complete with the following

Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.
662818	25 pcs	4	662908	25 pcs	2	669942	6 pcs	6
662821	25 pcs	4	662912	25 pcs	2	669943	6 pcs	3
662825	25 pcs	4	662938	25 pcs	2	669944	6 pcs	2
662827	25 pcs	4	662939	25 pcs	2	669954	6 pcs	4
662830	25 pcs	6	669894	14 pcs	4	669955	6 pcs	4
662832	25 pcs	2	669895	12 pcs	4	669956	6 pcs	4
662833	25 pcs	4	669896	10 pcs	4	669957	6 pcs	4
662880	25 pcs	4	669897	5 pcs	4	669958	6 pcs	4
662884	25 pcs	4	669900	6 pcs	6	669959	6 pcs	4
662886	25 pcs	8	669939	6 pcs	6	669960	6 pcs	4
662888	25 pcs	8	669940	6 pcs	6	762099	1 pc	1
662890	25 pcs	4	669941	6 pcs	6	762864	1 pc	1

Panel #2

- Solderless Terminals & Connectors
- Cable Clamps
- Primary Wire (Mini Spools)
- Copper Lugs & Tin Plated Copper Splices
- Battery Terminals & Terminal Adapters

668212 Comes complete with the following

Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.
662441	2 pcs	2	668062	35'	2	691076	7 pcs	2
662442	2 pcs	2	668063	35'	2	691231	11 pcs	2
662443	2 pcs	2	668064	35'	2	691232	10 pcs	2
662444	2 pcs	2	668065	35'	4	691233	7 pcs	2
662445	2 pcs	2	668066	35'	2	691244	5 pcs	2
662537	2 pcs	2	668067	35'	2	691245	5 pcs	2
662538	2 pcs	2	668068	25'	2	691246	5 pcs	2
662539	2 pcs	2	668069	25'	2	691251	8 pcs	2
662540	2 pcs	2	668070	25'	2	691256	7 pcs	2
662541	2 pcs	2	668071	25'	2	691261	5 pcs	2
662542	2 pcs	2	668072	25'	4	691281	3 pcs	2
662543	2 pcs	2	668073	25'	2	691288	2 pcs	2
662544	2 pcs	2	668074	25'	2	691289	8 pcs	2
662545	2 pcs	2	668075	15'	2	691292	8 pcs	2
662546	2 pcs	2	668076	15'	2	691355	11 pcs	2
662547	2 pcs	2	668077	15'	4	691356	10 pcs	2
662548	2 pcs	2	668078	15'	2	691357	5 pcs	2
662549	2 pcs	2	668080	10'	2	691358	5 pcs	2
662550	2 pcs	2	668081	10'	2	691371	3 pcs	2
662551	2 pcs	2	668082	10'	2	691372	2 pcs	2
662579	2 pcs	2	668906	10'	2	691621	7 pcs	2
662580	2 pcs	2	668922	15'	2	691623	7 pcs	2
662581	2 pcs	2	668928	15'	2	691672	5 pcs	2
662582	2 pcs	2	668979	10'	2	691697	10 pcs	2
662585	2 pcs	2	668980	10'	2	691698	10 pcs	2
662642	2 pcs	2	668981	10'	2	691699	5 pcs	2
662643	2 pcs	2	668983	15'	2	692093	6 pcs	2
666053	10 pcs	2	691003	11 pcs	2	692115	7 pcs	2
666054	10 pcs	2	691016	11 pcs	2	692591	2 pcs	2
667053	10 pcs	2	691018	11 pcs	2	692620	2 pcs	2
667054	10 pcs	2	691019	10 pcs	2	762588	1 pair	2
668051	50'	2	691020	9 pcs	2	762589	1 pair	2
668052	50'	2	691022	7 pcs	2	762593	1 pair	2
668053	50'	2	691032	7 pcs	2	766321	10 pcs	2
668054	50'	2	691034	7 pcs	2	766322	10 pcs	2
668056	50'	2	691035	6 pcs	2	766323	10 pcs	2
668057	50'	2	691037	6 pcs	2	766325	10 pcs	2
668059	50'	2	691038	6 pcs	2			
668061	35'	2	691063	9 pcs	2			



Merchandising

4-Sided Rotating Grid Display with Product (cont'd)

Contains Wire, Cable & Electrical Accessories' products on a proven P.O.P. display. This pre-determined display contains 279 popular SKUs for the Automotive, Heavy-Duty, Industrial & Marine markets.

Panel #3

- Solderless Terminals & Connectors
- Pigtails & Sockets

- Switches (Toggle & Starter)
- Split Loom

668213 Comes complete with the following

Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.
669864	10'	2	761357	50 pcs	2	765010	1 pc	2
669865	10'	2	761358	50 pcs	2	765012	1 pc	2
669866	10'	2	761371	25 pcs	2	765030	1 pc	2
669870	10'	2	761372	10 pcs	2	765046	1 pc	2
669873	10'	2	761621	50 pcs	2	765047	1 pc	2
669875	10'	2	761623	50 pcs	2	765049	1 pc	2
761018	100 pcs	2	762093	25 pcs	2	765052	1 pc	2
761019	100 pcs	2	762115	25 pcs	2	765055	1 pc	2
761020	100 pcs	2	764490	1 pc	2	765056	1 pc	2
761022	50 pcs	2	764491	1 pc	2	765057	1 pc	2
761034	50 pcs	2	764492	1 pc	2	765058	1 pc	2
761035	50 pcs	2	764493	1 pc	2	765059	1 pc	2
761037	50 pcs	2	764495	1 pc	2	765064	1 pc	2
761231	100 pcs	2	764496	1 pc	2	765065	1 pc	2
761232	100 pcs	2	764497	1 pc	2	765066	1 pc	2
761233	50 pcs	2	764498	1 pc	2	765067	1 pc	2
761244	25 pcs	2	765000	1 pc	2	765072	1 pc	2
761245	25 pcs	2	765001	1 pc	2	765073	1 pc	2
761246	25 pcs	2	765002	1 pc	2	765075	1 pc	2
761292	50 pcs	2	765003	1 pc	2	765209	1 pc	2
761355	100 pcs	2	765004	1 pc	2			
761356	100 pcs	2	765007	1 pc	2			

Panel #4

- Blade Fuses, Fuse Holders & Accessories
- Trailer & RV Connectors

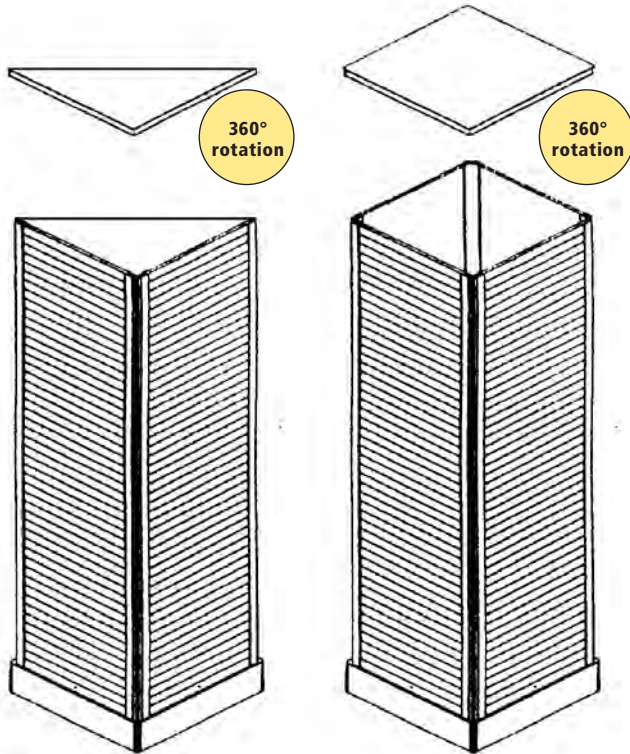
- Circuit Breakers
- Primary Wire (100FT Spools)

668214 Comes complete with the following

Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.	Part#	Pkg. Qty.	Display Qty.
664125	1 pc	2	764202	1 pc	2	768013	100'	1
664130	1 pc	2	764209	1 pc	2	768015	100'	2
664132	1 pc	2	764210	1 pc	2	768016	100'	1
666257	1 pc	2	764220	1 pc	1	768017	100'	1
666260	1 pc	2	766029	1 pc	1	768020	100'	1
666261	1 pc	2	766214	5 pcs	2	768021	100'	1
764000	1 pc	4	766215	5 pcs	2	768022	100'	1
764002	1 pc	2	766216	5 pcs	2	768023	100'	1
764009	1 pc	2	766217	5 pcs	2	768025	100'	2
764011	1 pc	2	766218	5 pcs	2	768026	100'	1
764013	1 pc	2	766245	5 pcs	2	768027	100'	1
764020	1 pc	2	766246	5 pcs	2	768030	100'	1
764021	1 pc	2	766247	5 pcs	2	768031	100'	1
764023	1 pc	2	766248	5 pcs	2	768032	100'	1
764025	1 pc	1	766249	5 pcs	2	768033	100'	1
764062	1 pc	1	766250	1 pc	2	768035	100'	2
764133	1 pc	2	766251	1 pc	2	768036	100'	1
764140	1 pc	2	766252	1 pc	2	768037	100'	1
764141	1 pc	2	766253	1 pc	2	11-702EP	1 pc	1
764149	1 pc	2	768010	100'	1	11-721EP	1 pc	1
764200	1 pc	2	768011	100'	1			
764201	1 pc	2	768012	100'	1			



Merchandising



768195 Triangle Spinner
(3-Sided)

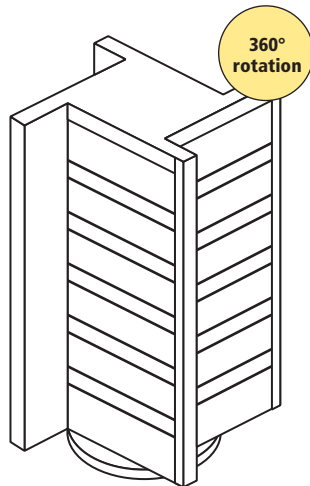
768196 Cube Spinner
(4-Sided)

Triangle Spinner (3-Sided) and Cube Spinner (4-Sided)

- Rugged black plastic slatwall design
- Simple and quick assembly
- Lightweight polymer construction
- Full 360° rotation
- Dimensions: Height 60" x Panel Width 18.5"
 *Same panel width for both Triangle and Cube Spinners
- Each spinner includes: Techspan header card
 Product plan-a-gram
 Plastic hooks and re-order tags

768195 Triangle Spinner (3-Sided)

768196 Cube Spinner (4-Sided)



768192 Counter-Top Spinner (4-Sided)

Counter-Top (4-Sided) Spinner

768192 4-Sided Counter-Top Spinners features:

- Rugged black plastic slatwall design
- Simple and quick assembly
- Lightweight polymer construction
- Full 360° rotation
- Dimensions: Height 19" x Panel Width 9.5"
- Spinner includes: Techspan header card
 Product plan-a-gram
 Plastic hooks and re-order tags

Merchandising/Storing

GPT Wire – Countertop Display Merchandisers

Techspan offers counter displays for GPT Primary and TEW Wire.

Mini Spool Primary Wire Merchandiser

668110 One price packaging for self-serve merchandising. Includes 60 spools of Primary wire in assorted colours and gauge sizes (35 SKUs in all). Counter display rack holds 30 spools and is available at no charge with purchase of **668110** merchandiser.

Wire Spools included in Merchandiser:

Part#	Qty	Part#	Qty	Part#	Qty
668051	1	668066	2	668078	2
668052	1	668067	2	668080	1
668053	1	668068	3	668081	1
668054	1	668069	3	668082	1
668056	1	668070	3	668906	1
668057	1	668071	2	668922	2
668059	1	668072	3	668928	1
668061	2	668073	3	668979	1
668062	2	668074	2	668980	1
668063	2	668075	2	668981	1
668064	2	668076	2	668983	2
668065	2	668077	2		

768111 Merchandiser Display Rack Only (holds 30 spools). Approx. Dimensions: 13"W x 8"H x 14"D



668110 Mini Spool Primary Wire Merchandiser

100' Spool Primary Wire Merchandiser

768194 This merchandiser assortment includes 48 spools of Primary wire in assorted colours and gauge sizes (33 SKUs in all). Counter display rack holds 16 spools and is available at no charge with purchase of **768194** merchandiser.

Wire Spools included in Merchandiser:

Part#	Qty	Part#	Qty	Part#	Qty
768000	1	768015	2	768031	1
768001	1	768016	1	768032	2
768002	1	768017	1	768033	1
768003	1	768020	3	768035	2
768005	1	768021	2	768036	1
768006	1	768022	3	768037	1
768007	1	768023	2	768102	1
768010	2	768025	3	768103	1
768011	1	768026	2	768104	1
768012	2	768027	1	768106	1
768013	1	768030	2	768107	1

768113 Merchandiser Display Rack Only (holds 16 spools). Approx. Dimensions: 14"W x 8"H x 14"D



768194 Primary Wire Merchandiser

TEW Wire 30m Spool Merchandiser

768120 This merchandiser assortment includes 70 spools of TEW wire in assorted colours and gauge sizes. 26 SKUs in all, each spool is 30m (98FT) in length. Counter display rack holds 16 spools and is available at no charge with purchase of **768120** merchandiser.

Wire Spools included in Merchandiser:

Part#	Qty	Part#	Qty	Part#	Qty
768609	3	768618	7	768627	3
768610	3	768619	3	768628	2
768611	2	768620	1	768629	1
768612	2	768621	3	768630	1
768613	1	768622	1	768631	1
768614	7	768623	7	768632	2
768615	5	768624	5	768633	2
768616	3	768625	2	768634	1
768617	1	768626	1		

768112 Merchandiser Display Rack Only (holds 16 spools). Approx. Dimensions: 14"W x 8"H x 14"D



768120 TEW Wire Merchandiser

Merchandising/Storing



Counter Display Assortments

Arctic Cable Ties Display Programs

TECHSPAN®'s Arctic Cable Ties are designed to perform in adverse weather conditions. The special polymer additive keeps the cable tie flexible and allows its installation without breakage in extreme temperatures. UV additive provides superior sunlight resistance. Arctic Cable Ties also withstand snow, environmental pollution, acidity in the air and UV light. North American made. Carton Dimensions: 20" W x 14-1/2" D x 15" H. Background sign provides an additional 12" in height.

Arctic Tie Display Program (Ice Blue)

762949 Contains 38 packs of 100 of Techspan's Ice-Blue Arctic Cable Ties in a carton that can be used as a display box for increased POP sales.

Breakdown as follows:

10 Pkg x **ICE-780C** 10 Pkg x **ICE-1480C**
 10 Pkg x **ICE-1180C** 8 Pkg x **ICE-14160C**



Arctic Tie Display Program (UV Black)

***762948** Contains 38 packs of 100 of Techspan's Black Arctic Cable Ties in a carton that can be used as a display box for increased POP sales.

Breakdown as follows:

10 Pkg x **ICE-750C-0** 10 Pkg x **ICE-1450C-0**
 10 Pkg x **ICE-1150C-0** 8 Pkg x **ICE-14120C-0**



762760 Cable Tie Assortment – Coloured Ties

Cable Tie Assortment – Coloured Ties

762760 This assortment contains one pack of 100 of each of the 10 **solid colours** offered by Techspan in the 7-1/2" 50LB series (1000 cable ties in all): Black, Blue, Brown, Green, Grey, Natural, Orange, Purple, Red and Yellow. Display box is easy to set up. Dimensions: 9-1/4" W x 9" H x 8" D

Cable Tie Assortment – Fluorescent Ties

762914 This assortment contains two packs of 100 of each of the 5 **fluorescent colours** offered by Techspan in the 7-1/2" 50LB series (1000 cable ties in all): Blue, Green, Orange, Pink and Yellow. Display box is easy to set up. Dimensions: 9-1/4" W x 9" H x 8" D



762914 Cable Tie Assortment – Fluorescent Coloured Ties

Merchandising/Storing

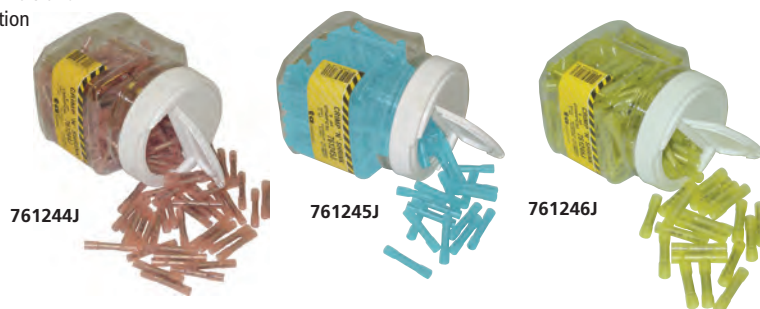
Jar Assortments

Crimp 'N' Shrink Butt Connectors in Jars

These jar assortments are a handy way to store small electrical terminals and connectors. The jars also protects contents from dust. More information on the actual terminals can be found on pages 10,16 & 44.

Crimp 'N' Shrink Butt Connectors (Professional Series)

Description	Part#	Qty/Jar
22-18GA, Red	761244J	300 PCS
16-14GA, Blue	761245J	250 PCS
12-10GA, Yellow	761246J	175 PCS



Crimp 'N' Shrink Butt Connectors (K-Spec® Series)

Description	Part#	Qty/Jar
22-18GA, Red	561244J	300 PCS
16-14GA, Blue	561245J	300 PCS
12-10GA, Yellow	561246J	200 PCS



Crimp 'N' Shrink Butt Connectors (Automotive Series)

Description	Part#	Qty/Jar
22-18GA, Red	461244J	300 PCS
16-14GA, Blue	461245J	250 PCS
12-10GA, Yellow	461246J	150 PCS
8GA, Red	461226J	100 PCS



Crimp 'N' Shrink Butt Connectors (Automotive Series) in Jar Assortments

Non-Insulated Butt Connectors (Seamless)

Description	Part#	Qty/Jar
22-18GA	762404J	1000 PCS
16-14GA	762405J	1000 PCS
12-10GA	762406J	500 PCS



Cable Tie Assortment – Coloured Ties in Jars

Coloured cable ties are ideal for colour-coding and cosmetic appeal and are conveniently packaged in jars. Dimensions of Jar: 4-3/4" Diameter x 12"H

- 562999** 650 pc cable tie jar assortment. Contains:
- 300 – 4" cable ties (200 pc Natural & 25 pcs each of Blue, Green, Red & Yellow)
 - 300 – 7" cable ties (All Natural)
 - 50 – 11" Cable ties (All Natural)

- 562999B** Same as **562999**, except 16 jars in a carton.



562999 Cable Tie Assortment – Coloured Ties/Jars

Merchandising/Storing



763030 Wall Mountable Display/Storage Panel

Wall Mountable Display/Storage Bin Panel

An excellent storage solution that helps you display and/or organize small electrical parts. You can hang this rack up on a wall or on our new Grid Display Panel. Each of the 15 compartments has a small slot in front of it that will allow you to put a small reorder tag/product identifier so that you'll always know what is in each compartment! Overall dimensions: 22-1/2" W x 22" H.

763030 Wall Mountable Display/Storage Panel



762400 Contains 300 Copper Lugs. Detailed information found on page 151



762299 Contains 300 Tin Plated Copper Lugs. Detailed information found on page 153



762300 Contains 375 'Hefty' Tin Plated Copper Lugs. Detailed information found on page 155



766011 Contains 285 Circuit Protection products. Detailed information found on page 268

Merchandising/Storing

Merchandising/Storing Unit for 4FT Heat Shrink Tubing

768190 With 10 slots, this merchandiser display will fit the 10 most common sizes of Dual Wall (Adhesive-Lined) Heat Shrink Tubing in both black and red. Each size and colour is stocked in their own box and is labeled for easy identification.

Note: Slatwall backdrop display & signage shown in photo are not included.

Comes complete with the following.

Part#	Expanded Size	Colour	Quantity
769976B	3/16"	Black	50 pcs
769977B	1/4"	Black	25 pcs
769978B	3/8"	Black	25 pcs
769979B	1/2"	Black	25 pcs
769980B	3/4"	Black	10 pcs
769982B	3/16"	Red	50 pcs
769983B	1/4"	Red	25 pcs
769988B	3/8"	Red	25 pcs
769985B	1/2"	Red	25 pcs
769986B	3/4"	Red	10 pcs

A neat way to store, stock and display 4FT lengths of Heat Shrink Tubing



4FT Heat Shrink Display/Storage Unit

P.O.P. Display for 4FT Heat Shrink Tubing

***768180** 18 Slots containing popular sized Dual Wall (Adhesive-Lined) Heat Shrink Tubing in Black, Clear and Red in 4FT lengths. 90 pieces in all, each piece is tagged for easy identification and barcoding. Techspan branded display box, decal and planogram included.

Total dimensions are: 21.75"W x 17.5"D x 43.5"H (61" High with header)

***NEW**

3:1 SHRINK RATIO

Dual Wall (3:1 Adhesive-Lined) 4FT Heat Shrink

P.O.P. Display Contains:

Part#	Expanded Size	Use With Wire Size (Approx)	Quantity	Part#	Expanded Size	Use With Wire Size (Approx)	Quantity
BLACK				RED			
769976	3/16"	20-12GA	5 pcs	769982	3/16"	20-12GA	5 pcs
769977	1/4"	16-10GA	5 pcs	769983	1/4"	16-10GA	5 pcs
769978	3/8"	12-6GA	5 pcs	769988	3/8"	12-6GA	5 pcs
769979	1/2"	8-2GA	5 pcs	769985	1/2"	8-2GA	5 pcs
769980	3/4"	4-2/0GA	5 pcs	769986	3/4"	4-2/0GA	5 pcs
769981	1"	2-4/0GA	5 pcs	769987	1"	2-4/0GA	5 pcs
CLEAR							
769685	3/16"	20-12GA	5 pcs				
769686	1/4"	16-10GA	5 pcs				
769687	3/8"	12-6GA	5 pcs				
769688	1/2"	8-2GA	5 pcs				
769689	3/4"	4-2/0GA	5 pcs				
769690	1"	2-4/0GA	5 pcs				



*768180

Merchandising/Storing

Wire Spool Racks

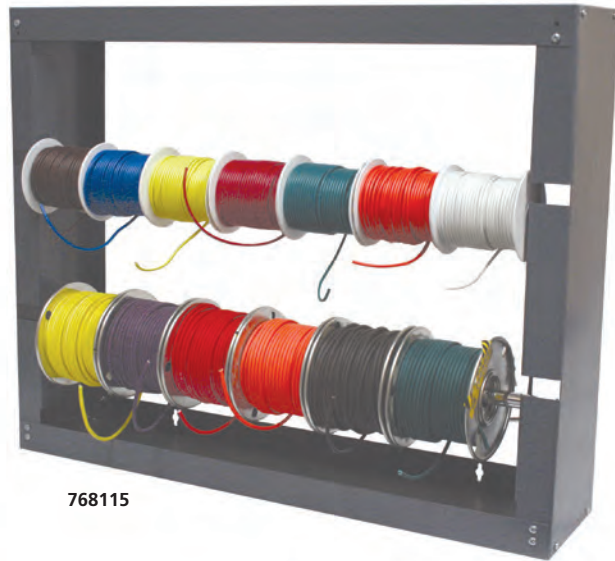
Wire Spool Racks allow users to store different sized reels on the same rod to facilitate dispensing. Specifications: rolled steel construction with grey powder coated finish and polished steel rods that are 5/8" in diameter. Will hold spools up to 10" in diameter. Punched side panels allow for quick changing of spools. Mounting holes are provided for wall mounting hardware included. Easy to assemble. Wire shown are for illustration purposes only. Wire not included.

# of Rows	Dimensions	Part#
1	26-1/8"W x 6"D x 10-3/8"H	768114
2	26-1/8"W x 6"D x 17-7/8"H	768115
4	26-1/8"W x 6"D x 37-1/8"H	768116

768114 has a carrying handle attached to the top of the unit



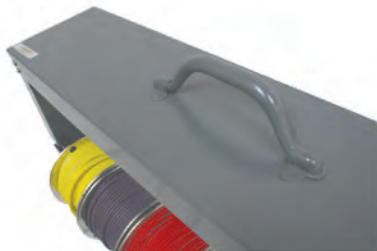
768116



768115



768114



Merchandising/Storing

Solderless Terminal Assortment Kits in Metal Cases

Grey Metal Storage Trays with carrying handle. Each part number is indexed on an affixed reference chart for easy identification and quick reorder.

Tray Dimensions: 13-3/8"W x 9-1/4"L x 2"H

763003 1440PC Professional Series Solderless Terminals (Insulated) & Tool. Detailed information found on page 50



763003 Solderless Terminal Assortment Kit in a Metal Storage Tray



Tray Dimensions: 13-3/8"W x 9-1/4"L x 2"H

***763022** 1826PC Professional Series Solderless Terminals (Non-Insulated) & Tool. Detailed information found on page 50



***763022** Non-Insulated Terminals Assortment Kit with Crimping Tool

Tray Dimensions: 13-1/2"W x 10"L x 1-5/8"H

560500 500PC K-Spec® Series Solderless Terminals (Insulated) & Tool. Detailed information found on page 52



560500 Solderless Terminal Assortment Kit in a Metal Storage Tray (K-Spec® Series)

Merchandising/Storing



768188 Grey Metal Rack



768188 Grey Metal Rack fits 4 Flip Kits



768189 Yellow Empty Storage Tray ('Flip' Kit)
 32 adjustable compartments



Flip Kits

Compatible! Trays' universal overall dimensions will allow them to fit into most slider storage racks

Convenient! Handle & Latch allow for portability

Durable! High impact plastic means trays wont rust or dent

Flexible! Compartments are adjustable to suit your requirements. You can store up to 32 items

New Design! Yellow tray... clear lid... grey rack

Organized! Keep parts in their own compartments. Informational label is included for easy identification of each compartment

Grey Metal Rack

768188 Grey metal rack will hold 4 of our new Flip Kits. Heavy-duty steel construction with 4 sliders. Dimensions: 20-3/4"W x 12-1/2"L x 15"H. Storage trays not included.

Plastic 'Make-It-Yourself' Assortment Trays – Flip Kit

768189 Yellow Empty Storage Tray ('Flip' Kit). With 32 adjustable compartments, you can make up your own kit. These trays are from 'high-impact' plastic, and have a carrying handle. Dimensions: 18"W x 12"L x 3"H



768186 Grey Empty Storage Tray ('Flip' Kit)
 32 adjustable compartments



768186 Grey Empty Storage Tray ('Flip' Kit). With 32 adjustable compartments, you can make up your own kit. These trays are from 'high-impact' plastic, and have a carrying handle. Dimensions: 18"W x 12"L x 3"H

Merchandising/Storing

Flip Kits (Pre-Made)

Flip Kits are handy both in the shop and the service vehicle. They are portable, organized, and will fit into most slider storage racks. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. The 32 adjustable compartments allow you to customize your own kit... if you want! Dimensions: 18"W x 12"L x 3"H. Plastic storage tray with carrying handle.



763008 751PC Professional Series Solderless Terminals (Insulated) & Tool. Detailed information found on page 51



***463002** 1062PC PC Heat Shrink Terminals, Crimp Tool & Torch. Detailed information found on page 20



***463005** 1310PC Heat Shrink Terminals. Detailed information found on page 20



762187 1140PC OEM Terminals. Detailed information found on page 64



763354 574PC Deutsch Connectors. Detailed information found on page 71

Merchandising/Storing

Flip Kits (Pre-Made)



762997 1500PC UV Black Cable Ties. Detailed information found on page 116



***762998** 1500PC Natural Cable Ties. Detailed information found on page 116



***762297** 260PC Copper Lugs (Straight), Splices and Dual Wall (Adhesive-Lined) Heat Shrink Tubing. Detailed information found on page 151



***762298** 260PC Tin Plated Copper Lugs (Straight), Splices and Dual Wall (Adhesive-Lined) Heat Shrink Tubing. Detailed information found on page 153



763009 85PC Automotive Battery Accessories. Detailed information found on page 177



763010 78PC Heavy-Duty Battery Accessories. Detailed information found on page 177

Merchandising/Storing



769001 147PC Dual Wall (Adhesive-Lined) Heat Shrink Tubing.
Detailed information found on page 140



766010 327PC Automotive Fuses/Fuse Accessories.
Detailed information found on page 267

Flip Kits (Pre-Made)

763014 219PC HD Electrical Repair Flip Kit contains:

Part#	Description	Qty
662888	Cable Tie Std 11" 50LB Black	25 pcs
662890	Cable Tie Std 14" 120LB Black	25 pcs
668068	Wire GPT 14GA Black 25FT	1 spl
668072	Wire GPT 12GA Black 15FT	1 spl
668075	Wire GPT 14GA Red 25FT	1 spl
668077	Wire GPT 12GA Red 15FT	1 spl
669940	HT SHK Sealwall Black 1/4"ID x 6"L	6 pcs
669983	HT SHK Sealwall Red 1/4"ID x 6"L	6 pcs
669999	Tape PVC Black Elec 66' [20M] Roll	1 roll
692001	Crimp Tool MD for 22-10GA Terminals	1 pc
761020	Ring PVC 16-14GA 1/4"	25 pcs
761035	Ring PVC 12-10GA 1/4"	25 pcs
761232	Butt Splice PVC 16-14GA	25 pcs
761233	Butt Splice PVC 12-10GA	25 pcs
761371	Tap Splice PVC 16-14GA	15 pcs
761372	Tap Splice PVC 12-10GA	10 pcs
762591	Batt Term Lead Univ Fits: 2-4/0GA	5 pcs
764700	Circuit Tester for 6/12/24V Systems	1 pc
766216	Fuse Auto ATO 20amp Yellow	10 pcs
766218	Fuse Auto ATO 30amp Green	10 pcs



763014 219PC HD Electrical Repair Flip Kit

Merchandising/Storing

Mini Flip Kits

Mini Flip Kits are handy both in the shop and the service vehicle. They are portable, organized and will fit into our **768181 Storage Rack**. With an affixed reference chart, Techspan's pre-made Mini Flip Kits are made in a way that makes identification of electrical accessory product quick and easy. Dimensions of each tray: 11"W x 6"L x 1"H

Crimp 'N' Shrink Terminal Assortment Kits



763002 121PC Crimp 'N' Shrink Terminal Mini Flip Kit (with Torch).
 Detailed information found on page 21



763005 115PC Crimp 'N' Shrink Terminal Mini Flip Kit.
 Detailed information found on page 21

Screw-On Wire Connectors' Assortment Kit



761669 475PC Screw-On Wire Connectors' Mini Flip Kit.
 Detailed information found on page 28



763000 151PC Professional Series Solderless Terminal Mini Flip Kit. Detailed information found on page 51

Solderless Terminal (K-Spec® Series) Assortment Kits



***563032** 575PC K-Spec® Series Solderless Terminal Mini Flip Kit.
 Detailed information found on page 53



***563031** 601PC K-Spec® Series Solderless Terminal Mini Flip Kit. Detailed information found on page 53

Merchandising/Storing

Mini Flip Kits

OEM Terminal Assortment Kit



762191 574PC OEM Terminal Mini Flip Kit.
 Detailed information found on page 64

DTM-Series Deutsch Connector Assortment Kit



***763367** 249PC DTM-Series Deutsch Connector Mini 'Flip' Kit.
 Detailed information found on page 72

DT-Series Deutsch Connector Assortment Kits



763353 98PC DT-Series Deutsch Connector Mini Flip Kit
 with both **Open & Solid Barrel Contacts**.
 Detailed information found on page 71



***763355** 67PC DT-Series Deutsch Connector Mini Flip Kit
 with **Solid Barrel Contacts**. Detailed information
 found on page 71

Dual Wall (Adhesive-Lined) Heat Shrink Tubing Assortment Kit



769000 67PC Dual Wall (Adhesive Lined) Heat Shrink
 Tubing Assortment Kit. Detailed information found
 on page 140

Merchandising/Storing

Mini Flip Kits

Solder Slug Assortment Kits

***NEW**



***762652** 200PC Solder Slug (6-2/0GA) Mini Flip Kit.
 Detailed information found on page 158



***762653** 150PC Solder Slug (2-4/0GA) Mini Flip Kit.
 Detailed information found on page 158

Blade-Type Circuit Breaker Assortment Kits

NEW



***766989** 10PC Mini Blade Fuse-Type Circuit Breaker Mini Flip Kit. Detailed information found on page 252



***766990** 11PC Standard Blade Fuse-Type Circuit Breaker Mini Flip Kit. Detailed information found on page 252



***766991** 12PC 'Maxi' Blade Fuse-Type Circuit Breaker Mini Flip Kit. Detailed information found on page 252

'Maxi' Blade Fuse Assortment Kits

NEW



***766988** 13PC 'Maxi' Blade Fuse Mini Flip Kit. Detailed information found on page 253



***766274** 100PC 'Maxi' Blade Fuse Mini Flip Kit. Detailed information found on page 253



***766977** 9PC 'Maxi' Blade Fuse (80VDC) Mini Flip Kit. Detailed information found on page 253

Merchandising/Storing

Mini Flip Kits

Standard Blade Fuse Assortment Kits



***766987** 86PC Standard Blade Fuse Mini Flip Kit.
 Detailed information found on page 254



766207 380PC Standard Blade Fuse Mini Flip Kit.
 Detailed information found on page 254



***766978** 27PC Standard Blade Fuse (80VDC) Mini Flip Kit.
 Detailed information found on page 255



***766983** 15PC Standard Blade Fuse Holder/Accessory Mini Flip Kit.
 Detailed information found on page 255

Mini Blade Fuse Assortment Kits



***766986** 92PC Mini Blade Fuse Mini Flip Kit.
 Detailed information found on page 256



766205 240PC Mini Blade Fuse Mini Flip Kit.
 Detailed information found on page 256

Merchandising/Storing

Mini Flip Kits

Mini (Low-Profile) Blade Fuse Assortment Kits



***766985** 81PC Mini (Low-Profile) Blade Fuse Mini Flip Kit.
Detailed information found on page 257



766204 265PC Mini (Low-Profile) Blade Fuse Mini Flip Kit.
Detailed information found on page 257

Micro Blade Fuse Assortment Kits



***766984** 56PC Micro (2- & 3-) Blade Fuse Mini Flip Kit. Detailed information found on page 258



766275 300PC Micro (2-Blade) Fuse Mini Flip Kit. Detailed information found on page 258



***766276** 326PC Micro (2- & 3-) Blade Fuse Mini Flip Kit. Detailed information found on page 258

LED Blade Fuse Assortment Kits



LED



***766982** 9PC LED 'Maxi' Blade Fuse Mini Flip Kit.
Detailed information found on page 259



***766981** 56PC LED Standard Blade Fuse Mini Flip Kit.
Detailed information found on page 259

Merchandising/Storing

Mini Flip Kits

LED Blade Fuse Assortment Kits



LED



***766980** 52PC LED Mini Blade Fuse Mini Flip Kit.
 Detailed information found on page 260



***766979** 36PC LED Mini (Low-Profile) Blade Fuse Mini Flip Kit.
 Detailed information found on page 260

Specialty Fuse Assortment Kits



766119 171PC AGC Glass Fuse Mini Flip Kit.
 Detailed information found on page 261



***766998** 10PC Battery Fuse Mini Flip Kit.
 Detailed information found on page 261



***766999** 8PC ANL Fuse Mini Flip Kit.
 Detailed information found on page 261

Merchandising/Storing

Mini Flip Kits

Bolt-On Fuse (High Amperage) Assortment Kits



766184 60PC Bolt-On (High-Amp) Fuse Mini Flip Kit.
Detailed information found on page 262



***766995** 12PC Bolt-On (High-Amp) Fuse Mini Flip Kit.
Detailed information found on page 262

Bolt-On Fuse (Mid Amperage) Assortment Kits



766156 60PC Bolt-On (Mid-Amp) Fuse Mini Flip Kit.
Detailed information found on page 263



***766994** 12PC Bolt-On (Mid-Amp) Fuse Mini Flip Kit.
Detailed information found on page 263

Cartridge Fuse, Female Link Assortment Kits



766176 150PC Cartridge Fuse Female-Type Link (Regular) Fuse Mini Flip Kit. Detailed information found on page 264



766829 150PC Cartridge (Low-Profile) Female Link Fuse Mini Flip Kit. Detailed information found on page 264

Merchandising/Storing

Mini Flip Kits

Cartridge Fuse, Female Link Assortment Kits



***766992** 11PC Cartridge (Regular & Low-Profile) Fuse Female-Type Link Mini Flip Kit. Detailed information found on page 265



***766993** 24PC Cartridge (Micro) Female Link (Slotted & Non-Slotted) Mini Flip Kit. Detailed information found on page 265

PAL Fuse Assortment Kits



***766996** 17PC PAL Male (Straight & 13/16" Bent) Fuse Mini Flip Kit. Detailed information found on page 266



***766997** 15PC PAL Male (9/16" Bent) & Female (All Types) Fuse Mini Flip Kit. Detailed information found on page 266

Pigtail & Socket Assortment Kit



***764399** 28 Piece Pigtail & Socket Mini Flip Kit. Detailed information found on page 276

Merchandising/Storing

Compact Assortment Kits in Plastic Cases



560175 Solderless Terminal Assortment Kit in a Plastic Storage Tray (K-Spec® Series) with Tool



560175NT Solderless Terminal Assortment Kit in a Plastic Storage Tray (K-Spec® Series)

Available
with or
without a
crimp tool...
your choice!

Solderless Terminal Assortment Kits (K-Spec® Series)

These handy assortment kits come complete with 175 pieces of 18 widely used K-Spec® Series PVC Insulated Solderless Terminals in plastic storage trays. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 8-1/4"W x 4-1/8"L x 1-1/8"H. These kits are available with or without a crimp tool under the following part numbers. Detailed information on these Kits can be found on page 52.

560175 (with tool)

560175NT (without tool)



766000 Standard & Mini Blade Fuse Assortment Kit in a Plastic Storage Tray

Standard & Mini Blade Fuse Assortment Kit

766000 This handy assortment kit comes complete with 95 pieces of popular Automotive Blade Fuses (60 Standard Blade Fuses and 35 Mini Blade Fuses)... all in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 7-1/4"W x 5-1/8"L x 1-1/8"H. Detailed information can be found on page 267.



766001 Standard Blade Fuse Assortment Kit in a Plastic Storage Tray

Standard Blade Fuse Assortment Kit

766001 This handy assortment kit comes complete with 100 pieces of popular Standard Blade Fuses in a plastic storage tray. Each part number is indexed on an affixed reference chart for easy identification and quick reorder. Dimensions: 7-1/4"W x 5-1/8"L x 1-1/8"H. Detailed information can be found on page 267.

Merchandising/Storing

Plastic 'Make-It-Yourself' Storage Trays

Clear plastic compartment empty storage trays are a handy way to make up your own assortments. Available in 6, 12, 13, 18 and adjustable compartments. All these trays have dimensions of 11"W x 6"L x 1"H.

Contact Techspan if you require other configurations.

# of Compartments	Part#
6 Compartments	763006
12 Compartments	763019
13 Compartments	763001
18 Compartments	763012
3 to 18 Compartments (Adjustable)	*763024



763006 6 compartments



763019 12 compartments



763001 13 compartments



763012 18 compartments



*763024 3 to 18 compartments (adjustable)

Storage Rack (5-Level)



- Compact (11-3/4"D x 10-3/4"H) • Versatile
- Keyhole slots for optional wall mounting • Grey Enamel Steel • Stackable
- Fits 763001, 763006, 763012, 763019 & 763024 Storage Trays, shown above

*768181 5-Level, Grey Enamel Steel with Handle and Locking Hinge.



*768181

Metal 'Make-It-Yourself' Storage Trays

763007 Grey heavy-gauge metal storage trays (Empty) with carrying handle. With 24 compartments in all, it's handy for making up your own assortments. Dimensions: 18"W x 12"L x 3"H. Call Techspan if you require other configurations.

763004 Grey heavy gauge metal storage trays (Empty) with carrying handle. With 21 compartments in all, it's handy for making up your own assortments. Dimensions: 13-3/8"W x 9-1/4"L x 2"H. Call Techspan if you require other configurations.

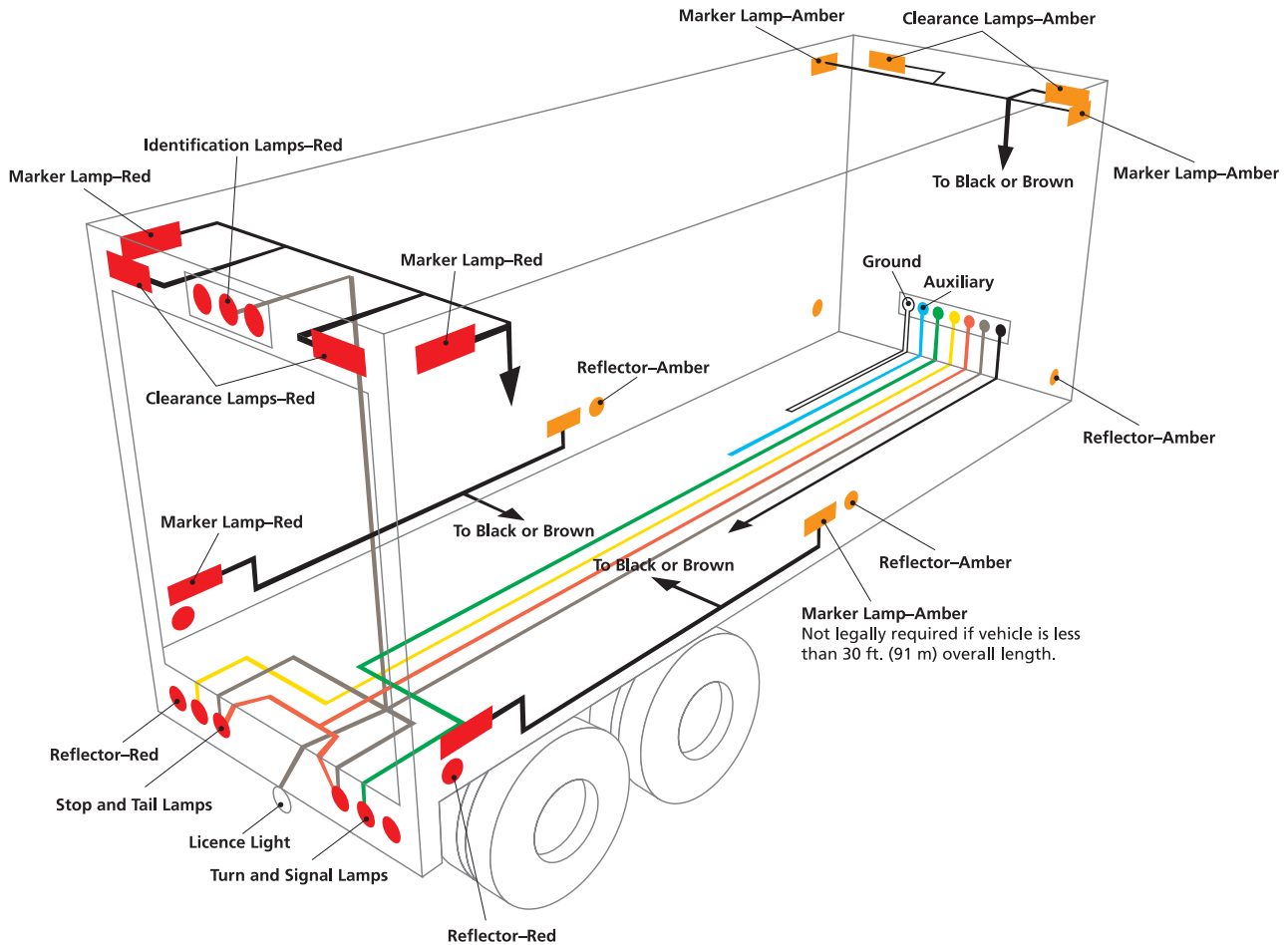


763007 Grey Metal Storage Tray (24 compartments)



763004 Grey Metal Storage Tray (21 compartments)

Trailer Wiring Guide



ATA, SAE & TTMA Wire Colours For Seven Pole Connectors

Wire Function	Colour Listing
Ground return	White
Left turn & hazard signal	Yellow
Right turn & hazard signal	Green
Stop lamps and anti-locking devices	Red
Tail, identification, license, clearance & marker lamps	Brown
Clearance, marker & identification lamps	Black
Auxiliary	Blue

It is advisable to balance the circuits

TTMA Recommended Wire Gauges And Vehicle Interface

Trailer Type	Circuit Type	Wire Gauge
Single or Double	Ground Circuit	10GA
Single or Double	Stop Lamp Circuit	12GA
Turnpike Double or Triple	Ground Circuit	8GA
Turnpike Double or Triple	Stop Lamp Circuit	10GA

Note: Check the latest FMVSS108 and CMVSS108 regulations for required locations mounting heights and quantities of required lighting devices. Lighting functions may be combined or separated where and as legally permitted.

Wire, Cable & Cord; Abbreviations & Terms



Table Key

S	=	Service
J	=	Junior
O	=	Oil-Resistant
T	=	Thermoplastic Vinyl
W	=	Weather Approved
P	=	Parallel
E	=	Elastomer

Wire Abbreviation	Description
S	Standard Service. Rubber-insulated portable. Stranded copper conductors with separator and individual rubber installations. Rated at 600V.
SJ	Service Junior. Jacket is half the thickness of the Standard Service (S) cord. Same construction. Rated at 300V. The cords are exactly the same inside the jacket.
ST	Extra hard usage, jacketed thermoplastic construction. 600V, 60°C to 105°C.
SJT	Hard usage thermoplastic rubber-insulated conductors and overall thermoplastic jacket. 300V. 60°C to 105°C.
SJO	Service Junior rubber-insulated portable cord but with neoprene, an oil-resistant compound. Rated 300V, 60°C, 75°C or 90°C.
SJOO	Same as SJO except inner conductor insulation and the outer jacket are oil resistant.
SJOW	Same as SJO except outer jacket is weather approved
STW	Extra hard usage cord, jacketed. 600V, 60°C to 105°C. Weather resistant for outdoor use.
SJTW	Hard usage thermoplastic or rubber-insulated conductors and overall thermoplastic jacket. 300V, 60°C to 105°C. Weather resistant for outdoor use.
SJEW	Hard service thermoplastic or rubber-insulated conductors and overall thermoplastic jacket. All elastomer construction. 300V, 90°C to 105°C. Weather resistant for outdoor use.
SJEOW	Hard service thermoplastic or rubber-insulated conductors and oil-resistant thermoplastic outer jacket. All elastomer construction. 300V, 90°C to 105°C. Weather resistant for outdoor use.
SEW	Extra hard usage cord TPE jacketed all thermoplastic Elastomer (TPE) construction. 600V, 90°C to 105°C. Weather resistant for outdoor use.
SP	All rubber, service parallel cord with parallel construction. Conductors are not cabled. Rated 300V.
SPT	Same as the SP except the jacket is made of thermoplastic. Rated 300V.
SPT-1	All thermoplastic construction, parallel jacketed. 300V, 60°C to 105°C, 2 or 3-conductor (18GA)
SPT-2	Same as SPT-1 but heavier construction (18-16GA)
SPT-3	Same as SPT-2 but heavier construction (18-10GA)
SRDT	Portable range or dryer cable, 3-conductor parallel type or 4 insulated conductors, jacketed. All thermoplastic construction. 300V, maximum temperature of 60°C.
SV	Vacuum cleaner cord. A light, round cord designed for flexibility. The copper is pulled to a finer gauge before bunching.
SVT	Vacuum cleaner service cord. All plastic construction, 2 or 3-conductor. Third conductor for grounding use only. For light duty use. 300V, 60°C to 105°C.
SVE	Same as SV, except the insulation and jacket are made of thermoplastic elastomer rubber (TPE). Used for vacuum cleaners, fans and portable lights.
HPN	Two-conductor, neoprene-insulated heater cord. Parallel construction. For use in damp locations. 300V, 90°C.

Other Widely Used Terms

AWG	American Wire Gauge. Relative index of conductor sizes.
GA	Another way to refer to AWG

Conversion Tables

WIRE GAUGE CONVERSION

Gauge	Dia. (Inches)	Gauge	Dia. (Inches)	Gauge	Dia. (Inches)
4/0	.460	12	.081	27	.0142
3/0	.410	13	.072	28	.0126
2/0	.365	14	.064	29	.0113
1/0	.325	15	.057	30	.0100
1	.289	16	.051	31	.0089
2	.258	17	.045	32	.0080
3	.229	18	.040	33	.0071
4	.204	19	.036	34	.0063
5	.182	20	.032	35	.0056
6	.162	21	.0285	36	.0050
7	.144	22	.0253	37	.0045
8	.128	23	.0226	38	.0040
9	.114	24	.0201	39	.0035
10	.102	25	.0179	40	.0031
11	.091	26	.0159		

Move decimal point three places to the right to read mils.

LENGTH CONVERSION

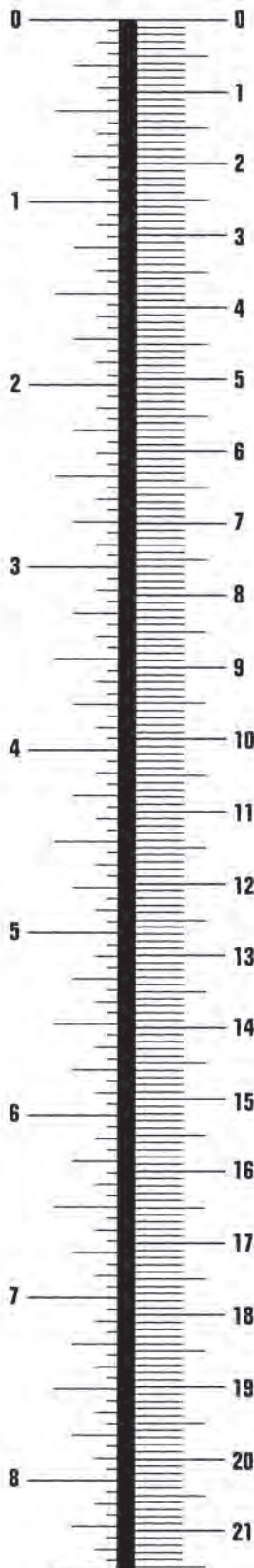
1 INCH = 25.4 MILLIMETERS
1 MILLIMETER = 0.03937 INCH
1 FOOT = 0.3048 METERS
1 YARD = 0.9144 METERS
1 METER = 3.281 FEET

TEMPERATURE CONVERSION

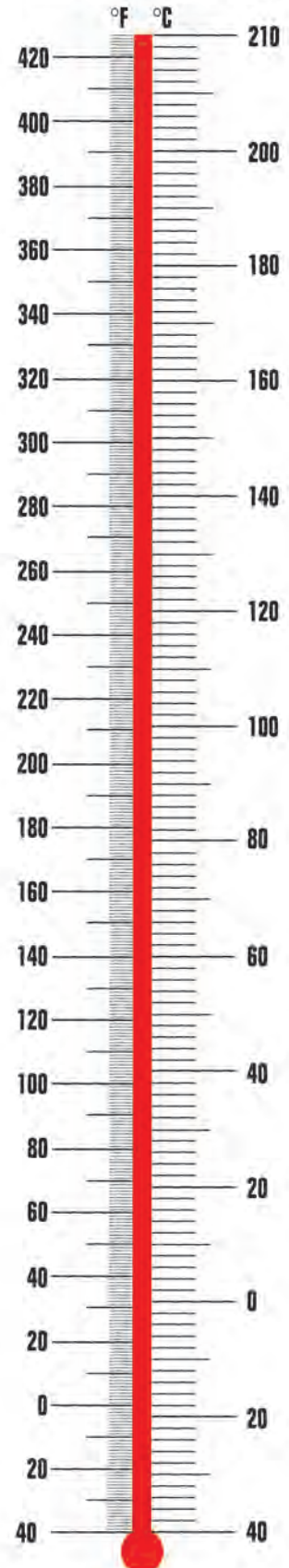
$$^{\circ}\text{C} = .556 (^{\circ}\text{F} - 32)$$

$$^{\circ}\text{F} = 1.8 (^{\circ}\text{C}) + 32$$

INCHES/CENTIMETERS



FAHRENHEIT – CENTIGRADE



Decimal & Stud Dimension Chart

DECIMAL EQUIVALENTS CHART

1/64 → .015625	33/64 → .515625
1/32 → .03125	17/32 → .53125
3/64 → .046875	35/64 → .546875
1/16 → .0625	9/16 → .5625
5/64 → .07815	37/64 → .578125
3/32 → .09375	19/32 → .59375
7/64 → .109375	39/64 → .609375
1/8 → .125	5/8 → .625
9/64 → .140625	41/64 → .640625
5/32 → .15625	21/32 → .65625
11/64 → .171875	43/64 → .671875
3/16 → .1875	11/16 → .6875
13/64 → .203125	45/64 → .703125
7/32 → .21875	23/32 → .71875
5/64 → .234375	47/64 → .734375
1/4 → .25	3/4 → .75
17/64 → .265625	49/64 → .765625
9/32 → .28125	25/32 → .78125
19/64 → .296875	51/64 → .796875
5/16 → .3125	13/16 → .8125
21/64 → .328125	53/64 → .828125
11/32 → .34375	27/32 → .84375
23/64 → .359375	55/64 → .859375
3/8 → .375	7/8 → .875
25/64 → .390625	57/64 → .890625
13/32 → .40625	29/32 → .90625
27/64 → .421875	59/64 → .921875
7/16 → .4375	15/16 → .9375
29/64 → .453125	61/64 → .953125
15/32 → .46875	31/32 → .96875
31/64 → .484375	63/64 → .984375
1/2 → .5	1 → 1.

STUD SIZE CHART WITH HOLE SIZES CHART

Standard Stud Size		Screw Dia. (")*	Hole Dia. (")*
	#0	.060 [1.52mm]	.094 [2.39mm]
	#1	.073 [1.85mm]	
	#2	.086 [2.18mm]	
	#3	.099 [2.51mm]	.120 [3.05mm]
	#4	.112 [2.85mm]	
	#5	.125 [3.18mm]	.146 [3.71mm]
	#6	.138 [3.5mm]	
	#8	.164 [4.17mm]	.173 [4.39mm]
	#10	.190 [4.83mm]	.198 [5.03mm]
	#12	.216 [5.5mm]	.17/64 [6.75mm]
	#14	.242 [6.15mm]	
	1/4" [6.35mm]	.250 [6.35mm]	.21/64 [8.33mm]
	5/16" [7.93mm]	.312 [7.93mm]	
	3/8" [9.53mm]	.375 [9.53mm]	.25/64 [9.92mm]
	7/16" [11.1mm]	.437 [11.1mm]	.29/64 [11.51mm]
	1/2" [12.7mm]	.500 [12.7mm]	.33/64 [13.1mm]
	5/8" [15.9mm]	.625 [15.9mm]	.21/32 [16.7mm]
	3/4" [19.1mm]	.750 [19.1mm]	.25/32 [19.8mm]
	7/8" [22.23mm]	.875 [22.23mm]	.29/32 [23.03mm]
	1" [25.4mm]	1.000 [25.4mm]	1-1/32 [25.43mm]

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461226J	16,319	A,N	561075(D)	36	A	562006(D)	44	A	662159	61	A
461244(C,D,X)	16	A	561076(D)	36	A	562007(D)	44	A	662160	61	A
461244J	16,319	A,N	561077(D)	36	A	562008(D)	44	A	662161	61	A
461245(C,D,X)	16	A	561231(D)	36	A	562009(D)	44	A	662176	61	A
461245J	16,319	A,N	561232(D)	36	A	562010(D)	44	A	662177	61	A
461246(C,D,X)	16	A	561233(D)	36	A	562011(D)	44	A	662178	61	A
461246J	16,319	A,N	561244(D)	10,36	A	562012(D)	44	A	662179	61	A
461648(C,D,X)	17	A	561244J	10,36,319	A,N	562093(D)	38	A	662200	152	F
461649(C,D,X)	17	A	561245(D)	10,36	A	562115(D)	38	A	662201	152	F
461650(C,D,X)	17	A	561245J	10,36,319	A,N	562398(D)	39	A	662202	152	F
461651(C,X)	17	A	561246(D)	10,36	A	562399(D)	39	A	662203	152	F
461652(D,L,X)	17	A	561246J	10,36,319	A,N	562404(D)	44	A	662204	152	F
461653(D,L,X)	17	A	561247(D)	40	A	562405(D)	44	A	662210	152	F
461654(X,L)	17	A	561248(D)	40	A	562406(D)	44	A	662211	152	F
461655(C,D,X)	16	A	561251(D)	40	A	562407(D)	39	A	662212	152	F
461656(C,D,X)	16	A	561257(D)	40	A	562408(D)	39	A	662213	152	F
461657(D,L,X)	16	A	561258(D)	40	A	562415(D)	39	A	662214	152	F
461658(C,D,X)	16	A	561259(D)	40	A	562416(D)	39	A	662220	152	F
461659(C,D,X)	16	A	561260(D)	40	A	562417(D)	40	A	662221	152	F
461660(C,D,X)	16	A	561261(D)	40	A	562418(D)	40	A	662222	152	F
461700(C,D,X)	17	A	561289(D)	40	A	562419(D)	40	A	662223	152	F
461701(C,D,X)	17	A	561293(D)	39	A	562999(B)	117,319	C,N	662229	150	F
461702(C,X)	17	A	561294(D)	40	A	563031	53,328	A,N	662230	152	F
461703(C,D,X)	17	A	561295(D)	39	A	563032	53,328	A,N	662231	152	F
461704(C,X)	17	A	561345(D)	39	A	563300	76	A	662232	152	F
461705(C,X)	17	A	561346(D)	39	A	563364	78	A	662233	152	F
461706(D,L,X)	17	A	561347(D)	39	A	564025(B)	207	H	662240	152	F
461707(X,L)	17	A	561351(D)	38	A	564062(B)	207	H	662241	152	F
461709(C,D,X)	16	A	561352(D)	38	A	566012(B)	214	I	662242	152	F
461711(C,D,X)	16	A	561353(D)	38	A	566017(B)	214	I	662243	152	F
461713(D,L,X)	16	A	561354(D)	39	A	566018(B)	214	I	662250	152	F
461714(C,D,X)	16	A	561355(D)	38	A	566019(B)	214	I	662251	152	F
461715(C,D,X)	16	A	561356(D)	38	A	566024(B)	214	I	662252	152	F
461716(X,L)	17	A	561357(D)	39	A	566025(B)	214	I	662253	152	F
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463005	20,325	A,N	561370(D)	40	A	566027(B)	214	I	662261	152	F
560175	52,336	A,N	561371(D)	40	A	566028(B)	214	I	662262	152	F
560175NT	52,336	A,N	561372(D)	40	A	566029(B)	214	I	662263	152	F
560500	52,323	A,N	561377(D)	38	A	566037(B)	214	I	662270	152	F
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561002(D)	37	A	561379(D)	38	A	566275	215	I	662272	152	F
561003(D)	37	A	561380(D)	38	A	566276	215	I	662273	152	F
561004(D)	37	A	561381(D)	38	A	566277	215	I	662280	152	F
561005(D)	37	A	561382(D)	38	A	566278	215	I	662281	152	F
561006(D)	37	A	561383(D)	38	A	566279	215	I	662282	152	F
561016(D)	37	A	561384(D)	38	A	566280	215	I	662283	152	F
561018(D)	37	A	561387(D)	38	A	566281	215	I	662441	150	F
561019(D)	37	A	561388(D)	38	A	566283	214	I	662442	150	F
561020(D)	37	A	561389(D)	38	A	566284	214	I	662443	150	F
561021(D)	37	A	561390(D)	38	A	566285	214	I	662444	150	F
561022(D)	37	A	561391(D)	38	A	566286	214	I	662445	150	F
561022D	37	A	561395(D)	38	A	566287	214	I	662484	157	F
561032(D)	37	A	561396(D)	38	A	566288	214	I	662485	157	F
561033(D)	37	A	561397(D)	38	A	566289	214	I	662486	157	F
561034(D)	37	A	561398(D)	38	A	566290	214	I	662487	157	F
561035(D)	37	A	561399(D)	38	A	566291	214	I	662488	157	F
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561037(D)	37	A	561401(D)	38	A	569527	89,172	B,F	662490	157	F
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561048(D)	36	A	561621(D)	39	A	569533	89,172	B,F	662492	157	F
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662503	156	F	662795	115	C	664126	230	I	668194	311-313	N
662504	156	F	662796	115	C	664127	230	I	668195	311,312	N
662505	156	F	662797	115	C	664129	230	I	668196	312	N
662506	156	F	662798	115	C	664130	231	I	668197	311,312	N
662507	156	F	662799	115	C	664131	230	I	668198	311-313	N
662508	156	F	662803	108	C	664132	231	I	668199	311,312	N
662509	156	F	662804	108	C	664134	233	I	668200	311-313	N
662510	156	F	662805	108	C	664136	231	I	668211	314	N
662511	156	F	662806	108	C	664139	227	I	668212	314	N
662512	156	F	662815	112	C	664152	236	I	668213	315	N
662513	156	F	662818	109	C	664153	235	I	668214	315	N
662514	156	F	662819	112	C	664233	230	I	668403	90	B
662515	157	F	662820	112	C	666047	132	D	668430	91	B
662516	157	F	662821	109	C	666053	132	D	668431	91	B
662517	157	F	662822	112	C	666054	132	D	668906	82	B
662518	157	F	662825	108	C	666076	132	D	668922	82	B
662519	156	F	662826	108	C	666077	132	D	668928	82	B
662520	156	F	662827	108	C	666078	132	D	668979	82	B
662521	156	F	662830	109	C	666095	133	D	668980	82	B
662522	156	F	662832	109	C	666143	242	I	668981	82	B
662523	156	F	662833	110	C	666148	242	I	668983	82	B
662524	156	F	662840	107	C	666150	243	I	669072	92	B
662525	156	F	662841	107	C	666151	241	I	669080	92	B
662526	156	F	662842	107	C	666152	241	I	669085	92	B
662537	150	F	662843	107	C	666255	227	I	669087	92	B
662538	150	F	662844	107	C	666257	233	I	669092	92	B
662539	150	F	662845	107	C	666260	233	I	669094	92	B
662540	150	F	662846	107	C	666261	227	I	669097	92	B
662541	150	F	662847	107	C	666262	233	I	669099	92	B
662542	150	F	662874	112	C	666263	230	I	669220	88	B
662543	150	F	662880	108	C	666264	235	I	669221	88	B
662544	150	F	662881	108	C	666265	236	I	669222	88	B
662545	150	F	662882	110	C	666266	235	I	669223	88	B
662546	150	F	662884	108	C	666267	236	I	669224	88	B
662547	150	F	662886	109	C	666268	236	I	669225	87	B
662548	150	F	662888	109	C	667047	132	D	669226	87	B
662549	150	F	662890	110	C	667053	132	D	669227	87	B
662550	150	F	662894	110	C	667054	132	D	669228	87	B
662551	150	F	662900	112	C	667076	132	D	669229	87	B
662579	152	F	662902	112	C	667077	132	D	669230	87	B
662580	152	F	662904	112	C	667078	132	D	669231	87	B
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662583	152	F	662912	118	C	668053	82	B	669257	88	B
662584	152	F	662913	118	C	668054	82	B	669259	88	B
662585	152	F	662928	112	C	668056	82	B	669260	86	B
662586	152	F	662934	112	C	668057	82	B	669261	86	B
662587	152	F	662938	118	C	668059	82	B	669262	86	B
662628	158	F	662939	118	C	668061	82	B	669263	86	B
662629	158	F	662940	118	C	668062	82	B	669265	86	B
662630	158	F	662941	118	C	668063	82	B	669266	86	B
662631	158	F	662942	118	C	668064	82	B	669267	86	B
662632	158	F	662946	114	C	668065	82	B	669270	86	B
662633	158	F	662947	114	C	668066	82	B	669271	86	B
662634	158	F	664078	239	I	668067	82	B	669272	86	B
662635	158	F	664081	239	I	668068	82	B	669273	86	B
662638	150	F	664082	239	I	668069	82	B	669274	86	B
662639	150	F	664083	239	I	668070	82	B	669275	86	B
662640	150	F	664084	239	I	668071	82	B	669276	86	B
662641	150	F	664113	233	I	668072	82	B	669277	86	B
662642	150	F	664114	231	I	668073	82	B	669285	88	B
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662774	115	C	664116	227,237	I	668075	82	B	669288	88	B
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662785	115	C	664119	233	I	668077	82	B	669290	88	B
662786	115	C	664120	231	I	668078	82	B	669291	88	B
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669667	128	D
669668	128	D
669669	128	D
669671	128	D
669672	128	D
669673	128	D
669802	124	D
669804	124	D
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669835	124	D
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669837	124	D
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669897	135	E
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669912	144	E
669913	145	E
669914	142	E
669915	145	E
669916	145	E
669917	144	E
669918	144	E
669919	144	E
669920	145	E
669921	142	E
669922	145	E
669923	145	E
669924	144	E
669925	144	E
669926	144	E
669927	145	E
669928	142	E
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669930	145	E
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669941(B)	136	E
669942(B)	136	E
669943(B)	136	E
669944(B)	136	E
669945	143	E
669946	142	E
669947	143	E
669948	142	E
669949	143	E
669950	142	E
669951	142	E
669952	143	E
669953	143	E
669954	142	E
669955	142	E
669956	142	E
669957	143	E
669958	143	E
669959	143	E
669960	142	E
669962	98	B
669963	95	B
669966	98	B
669967	98	B
669968	98	B
669969	98	B
669971(B)	137	E
669972(B)	127	D
669982(B)	137	E
669983(B)	137	E
669984(B)	137	E
669985(B)	137	E
669986(B)	137	E
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691016	37	A
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691019	37	A
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691022	37	A
691032	37	A
691034	37	A
691035	37	A
691037	37	A
691038	37	A
691063	36	A
691076	36	A
691231	36	A
691232	36	A
691233	36	A
691244	10,36	A
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691357	26	A

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691513	26	A
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692686	165	F
692689	165	F
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712258(B)	287	K

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725272	283	K
725272-POP	283	K
725500-PR	285	K
725501	285	K
725502-PR	284	K
725502-RR	284	K
725502-TC	284	K
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735002	296	K
735003	297	K
735004	297	K
735010	286	K
735186AMB	293	K
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745016	294	K
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745272LED	292	K
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761016(M)	30	A
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761019(M)	30	A
761020(M)	30	A

PART	PAGE#	TAB	PART	PAGE#	TAB	PART	PAGE#	TAB	PART	PAGE#	TAB
761022(M)	30	A	761251(M)	34	A	761503(M)	27	A	761695(M)	28	A
761023(M)	30	A	761252	15	A	761504(M)	27	A	761696(M)	28	A
761032	30	A	761253	15	A	761505(M)	27	A	761697(B)	28	A
761034(M)	30	A	761254	15	A	761507(M)	27	A	761698(B)	28	A
761035(M)	30	A	761255	15	A	761513(M)	26	A	761699(B)	28	A
761037(M)	30	A	761256(M)	34	A	761518(M)	27	A	761700(B)	12	A
761038(M)	30	A	761263	15	A	761519(M)	27	A	761701(B)	12	A
761040	31	A	761264	15	A	761600(M)	30	A	761702	12	A
761044(B)	31	A	761265	15	A	761601	30	A	761703(B)	12	A
761041	31	A	761266	15	A	761602(M)	30	A	761704	12	A
761042	31	A	761281	35	A	761603(M)	30	A	761705(B)	12	A
761043	31	A	761282	35	A	761604	30	A	761706	12	A
761048(M)	33	A	761286	35	A	761605(M)	30	A	761707(B)	12	A
761050(M)	33	A	761287	35	A	761610(M)	30	A	761708(B)	13	A
761061(M)	33	A	761288	34	A	761611	30	A	761709(B)	13	A
761063(M)	33	A	761289(M)	34	A	761612(M)	30	A	761710(B)	13	A
761074(M)	33	A	761297(M)	31	A	761621(M)	26	A	761711(B)	13	A
761076(M)	33	A	761298(M)	31	A	761623(M)	26	A	761712(B)	13	A
761164	164	F	761299(M)	31	A	761634	176	F	761713(B)	13	A
761199	33	A	761301	31	A	761635	176	F	761714(B)	13	A
761200(M)	33	A	761304(M)	31	A	761636	176	F	761715(B)	13	A
761201	14	A	761316(M)	33	A	761637(B)	176	F	761716(B)	12	A
761202(M)	33	A	761318(M)	33	A	761638(B)	176	F	761717(B)	10	A
761203	14	A	761320(M)	26	A	761639	176	F	761718(B)	10	A
761204	14	A	761321(M)	26	A	761640	176	F	761719(B)	10	A
761205	14	A	761322	26	A	761641	176	F	761720	10	A
761206	14	A	761323(M)	26	A	761642	176	F	761721	18	A
761207	14	A	761326(M)	33	A	761645	176	F	761722(B)	18	A
761208	14	A	761328(M)	33	A	761648(B)	12	A	761723	18	A
761209	14	A	761336(M)	33	A	761649(B)	12	A	761724(B)	18	A
761210	14	A	761351(M)	32	A	761650(B)	12	A	761725(B)	11	A
761211	14	A	761352(M)	32	A	761651(B)	12	A	761726	11	A
761212	14	A	761353(M)	26	A	761652(B)	12	A	761731	46	A
761213	33	A	761354(M)	26	A	761653(B)	12	A	761732	46	A
761214	14	A	761355(M)	32	A	761654(B)	12	A	761733(M)	46	A
761215(M)	33	A	761356(M)	32	A	761655(B)	13	A	761734(M)	46	A
761216	14	A	761357(M)	26	A	761656(B)	13	A	761735(M)	46	A
761217	14	A	761358(M)	26	A	761657(B)	13	A	761736	46	A
761218	14	A	761370(B)	34	A	761658(B)	13	A	761737(M)	46	A
761219	14	A	761371(B)	34	A	761659(B)	13	A	761738(M)	46	A
761221	15	A	761372(B)	34	A	761660(B)	13	A	761740(M)	46	A
761223	15	A	761373(B)	34	A	761662(M)	34	A	761750(B)	24	A
761225	15	A	761375(B)	34	A	761664(B)	13	A	761751(B)	24	A
761226	15	A	761376(M)	34	A	761665(B)	13	A	761752(B)	24	A
761227	15	A	761436	63,76	A	761669	28,328	A,N	761753(B)	24	A
761228(B)	14	A	761440	149	F	761670(B)	23	A	761754(B)	24	A
761229(B)	14	A	761444(M)	26	A	761671(B)	23	A	761756(B)	24	A
761230(B)	14	A	761445(M)	26	A	761672(B)	23	A	761758(B)	24	A
761231(M)	32	A	761469(M)	32	A	761673(B)	23	A	761759(B)	24	A
761232(M)	32	A	761480	27	A	761674(B)	23	A	761760(B)	24	A
761233(M)	32	A	761481	27	A	761675(B)	23	A	761761	24	A
761234(M)	34	A	761482(M)	27	A	761676	23	A	761762(B)	24	A
761235	32	A	761483(M)	27	A	761677	23	A	761763	24	A
761236	32	A	761484	27	A	761678(B)	23	A	761764(B)	24	A
761237(B)	11	A	761485	27	A	761679(B)	23	A	761765	24	A
761238(B)	11	A	761486(M)	27	A	761680(B)	23	A	761766(B)	24	A
761239(B)	11	A	761487(M)	27	A	761682(B)	23	A	761767(B)	24	A
761240(B)	11	A	761488(M)	27	A	761683(B)	23	A	761771(B)	24	A
761241(B)	10	A	761489(M)	27	A	761684(B)	23	A	761772(B)	24	A
761242(M)	32	A	761490(M)	27	A	761681	23	A	761773	25	A
761244(B)	10	A	761491	27	A	761685	23	A	761774(B)	25	A
761244J	10,319	A,N	761492(M)	27	A	761686(B)	23	A	761775	25	A
761245(B)	10	A	761495	26	A	761687(B)	23	A	761776	25	A
761245J	10,319	A,N	761496	26	A	761688	23	A	761777(B)	25	A
761246(B)	10	A	761497(M)	26	A	761689(B)	23	A	761778	25	A
761246J	10,319	A,N	761498(M)	26	A	761690(B)	23	A	761779(B)	25	A
761247(M)	34	A	761499	27	A	761691	23	A	761780	25	A
761248(M)	34	A	761500	27	A	761692(B)	23	A	761781	25	A
761249(M)	34	A	761501	27	A	761693(B)	23	A	761782	25	A
761250(M)	34	A	761502(M)	27	A	761694(B)	23	A	761783	25	A

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761784(B)	25	A
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761786	25	A
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761807	49,63	A
761808	19	A
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761900(C)	54	A
761901(C)	54	A
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761903	56	A
761904	56	A
761905	56	A
761906	56	A
761907	56	A
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761909	57,277	A,J
761910	57,277	A,J
761911	57,277	A,J
761912	57,277	A,J
761913	57,277	A,J
761914	57,277	A,J
761915	58,277	A,J
761916	58,277	A
761917	58,277	A
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762002(M)	42	A
762003(M)	42	A
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762005(M)	42	A
762006(M)	42	A
762007(M)	42	A
762008(M)	42	A
762009(M)	42	A
762010(M)	42	A
762011(M)	42	A
762012(M)	42	A
762015(M)	42	A
762016(M)	42	A
762019(M)	42	A
762020(M)	42	A
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762032	45	A
762033	45	A
762034(M)	45	A
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762079	56	A
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762081	61	A
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762085	58	A
762086	59	A
762087	59	A
762088(C)	59, 60	A
762089(C)	59	A
762093(M)	32	A
762097	147	E
762098(M)	45	A

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762101	147	E
762102	146	E
762103	146	E
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762105	272	J
762106	272	J
762109	272	J
762112	272	J
762113	272	J
762114	272	J
762115(M)	32	A
762124(B)	271	J
762133	272	J
762134(B)	271	J
762135(B)	271	J
762136	54	A
762137	54	A
762138(C)	54	A
762139	54	A
762140	54	A
762141	55	A
762142	55	A
762143	55	A
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762145	55	A
762148	55	A
762149	55	A
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762153(C,RL)	60	A
762154(C,RL)	60	A
762155(C)	61	A
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762157	61	A
762158(C)	61	A
762159(C)	61	A
762160(C)	61	A
762161(C)	61	A
762162(C)	59, 60	A
762163	56	A
762164	56	A
762165	56	A
762166(C)	58	A
762167(C)	58	A
762168	58	A
762169	58	A
762170	58	A
762171	58	A
762172	59	A
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762176	61	A
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762188(C)	60	A
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762190(C)	59, 60	A
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762192(C)	59, 60	A
762198(C)	59	A
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762201	152	F

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762203	152	F
762204	152	F
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762233	152	F
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762241	152	F
762242	152	F
762242-90	152	F
762243	152	F
762250	152	F
762251	152	F
762252	152	F
762253	152	F
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762261-90	152	F
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762271	152	F
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762273-90	152	F
762280	152	F
762281	152	F
762282	152	F
762283	152	F
762297	151,326	F,N
762298	153,326	F,N
762299	153,320	F,N
762300	155,320	F,N
762301	154	F
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762303	154	F
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762323	154	F
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762333	154	F
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762341	154	F
762342	154	F
762342-90	154	F
762343	154	F
762350	154	F
762351	154	F
762360	154	F
762361	154	F

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762373(M)	45	A
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762381	154	F
762382	154	F
762383	154	F
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762385	154	F
762386	154	F
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762400	151,320	F,N
762404(M)	44	A
762404J	44,319	A,H
762405(M)	44	A
762405J	44,319	A,H
762406(M)	44	A
762406J	44,319	A,H
762407(M)	27	A
762408(M)	27	A
762409(M)	27	A
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762411(M)	45	A
762412(M)	45	A
762413(M)	45	A
762414(M)	45	A
762415(M)	32	A
762416(M)	32	A
762420	45	A
762421	45	A
762422(M)	45	A
762423(M)	45	A
762424	42	A
762425(C)	42	A
762426(C)	42	A
762427(C)	42	A
762428(C)	42	A
762429(B)	44	A
762430(M)	46	A
762431	46	A
762432(M)	46	A
762433	46	A
762434(M)	46	A
762435(M)	46	A
762436	46	A
762437(M)	46	A
762438(M)	46	A
762439	46	A
762440	46	A
762441(C)	150	F
762442	150	F
762443(C)	150	F
762444(C)	150	F
762445(C)	150	F
762450(M)	42	A
762453(M)	42	A
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762455(M)	42	A
762456	44	A
762457(B)	44	A
762458(B)	42	A
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762460(C)	43	A
762461(C)	43	A
762462(C)	43	A
762463(C)	43	A
762464(C)	43	A
762466(C)	43	A
762467(C)	43	A
762468(C)	43	A
762470(C)	43	A
762471(C)	43	A

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762472(C)	43	A	762551	150	F	762676	165	F	762829	109	C
762475(C)	43	A	762552	160	F	762678	165	F	762830(M)	109	C
762476(C)	43	A	762555	160	F	762679	165	F	762832(B)	109	C
762479(C)	43	A	762556	160	F	762681	165	F	762833	110	C
762480(C)	43	A	762557	159	F	762682	165	F	762834	110	C
762481(M)	45	A	762558(L)	159	F	762684	165	F	762835	110	C
762482(M)	45	A	762559(L)	159	F	762685	165	F	762836	110	C
762483(M)	45	A	762560	158	F	762687	165	F	762837	110	C
762484	157	F	762571	158	F	762688	165	F	762840	107	C
762485	157	F	762572	158	F	762690	165	F	762841	107	C
762486	157	F	762573	161	F	762691	165	F	762842	107	C
762487	157	F	762574	161	F	762692	159	F	762843	107	C
762488	157	F	762575	158	F	762693	159	F	762844	107	C
762489	157	F	762578	161	F	762694	240	I	762845	107	C
762490	157	F	762579	152	F	762695	240	I	762846	107	C
762491	157	F	762580	152	F	762696	240	I	762847	107	C
762492	157	F	762581	152	F	762697(B)	170	F	762860	119	C
762493	157	F	762582	152	F	762751	115	C	762861	119	C
762494	157	F	762583	152	F	762752	115	C	762862	119	C
762495	157	F	762584	152	F	762753	115	C	762864	119	C
762496	157	F	762585	152	F	762754	115	C	762866	119	C
762497	156	F	762586	152	F	762755	115	C	762870(M)	108	C
762498	156	F	762587	152	F	762756	115	C	762875(M)	108	C
762499	156	F	762588	161	F	762757	115	C	762876(M)	113	C
762500	164	F	762589	163	F	762758	115	C	762877(B)	114	C
762501	164	F	762590	164	F	762760	117,318	C,N	762878(M)	114	C
762502	157	F	762591(C)	160	F	762761	115	C	762880(M)	108	C
762503	156	F	762593	164	F	762762	115	C	762881(M)	108	C
762504	156	F	762596	162	F	762763	115	C	762882	110	C
762505	156	F	762620(C)	160	F	762764	115	C	762884(M)	108	C
762506	156	F	762621	164	F	762765	115	C	762886(M)	109	C
762507	156	F	762624	164	F	762766	115	C	762888(B)	109	C
762508	156	F	762626	149	F	762767	115	C	762890	110	C
762509	156	F	762627	149	F	762768	115	C	762891	111	C
762510	156	F	762628	158	F	762774	115	C	762892	111	C
762511	156	F	762629	158	F	762784	115	C	762894	110	C
762512	156	F	762630	158	F	762785	115	C	762896	111	C
762513	156	F	762631	158	F	762786	115	C	762900(M)	112	C
762514	156	F	762632	158	F	762787	115	C	762901(B)	112	C
762515	157	F	762633	158	F	762788	115	C	762902(M)	112	C
762516	157	F	762634	158	F	762789	115	C	762903(B)	112	C
762517	157	F	762635(C)	158	F	762794	115	C	762904(B)	112	C
762518	157	F	762637	160	F	762795	115	C	762906(M)	113	C
762519	156	F	762638	150	F	762796	115	C	762908(B)	118	C
762520	156	F	762639	150	F	762797	115	C	762912(B)	118	C
762521	156	F	762640	150	F	762798	115	C	762913(B)	118	C
762522	156	F	762641	150	F	762799	115	C	762914	117,318	C,N
762523	156	F	762642	150	F	762801(M)	108	C	762915	115	C
762524	156	F	762643	150	F	762802(M)	108	C	762916	115	C
762525	156	F	762644	160	F	762803(M)	108	C	762917	115	C
762526	156	F	762645	160	F	762804(M)	108	C	762918	115	C
762527	159	F	762647	165	F	762805(M)	108	C	762919	115	C
762529	160	F	762648	165	F	762806(M)	108	C	762920	116	C
762531	159	F	762649	177	F	762808	110	C	762921	116	C
762537	150	F	762650	149	F	762809	110	C	762923	111	C
762538	150	F	762651	149	F	762810	110	C	762924	111	C
762539	150	F	762652	158,330	F,N	762811	110	C	762925	111	C
762540	150	F	762653	158,330	F,N	762814	111	C	762928(M)	112	C
762541(C)	150	F	762654	149	F	762815	112	C	762929(M)	113	C
762542	150	F	762660	170	F	762816	114	C	762930	113	C
762542-45	150	F	762661	164	F	762817	114	C	762931(M)	113	C
762542-90	150	F	762663	165	F	762818(B)	109	C	762933	112	C
762543	150	F	762664	165	F	762819(B)	112	C	762935	112	C
762544(C)	150	F	762666	165	F	762820	112	C	762938(B)	118	C
762545(C)	150	F	762667	165	F	762821(B)	109	C	762939(B)	118	C
762546	150	F	762669	165	F	762822(M)	112	C	762940(B)	118	C
762547(C)	150	F	762670	165	F	762825(M)	108	C	762941(B)	118	C
762548(C)	150	F	762672	165	F	762826(M)	108	C	762942(B)	118	C
762549(C)	150	F	762673	165	F	762827(M)	108	C	762944	112	C
762550(C)	150	F	762675	165	F	762828	109	C	762945	112	C

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764035(B)	208	H
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764062(B)	206	H
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764082	239	I
764083	239	I
764084	239	I
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764112	273	J
764113	233	I
764114	231	I
764115	231,237	I
764116	227,237	I
764117	230	I
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764131	230	I
764132(B)	231	I
764133(B)	205	H
764134	233	I
764135	205	H
764136(B)	231	I
764138	59,231	A,I
764139	227	I
764140(B)	210	H
764141(B)	210	H
764142	210	H

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764147	211	H
764148(B)	211	H
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764151	210	H
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764153	235	I
764200(B)	205	H
764201(B)	205	H
764202(B)	205	H
764203(B)	205	H
764204(B)	205	H
764206	229,239	I
764207	229,239	I
764209	229,279	I,J
764210	229,279	I,J
764220	207	H
764221	208	H
764222	209	H
764228(B)	205	H
764231(B)	205	H
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764300	276	J
764301	276	J
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764465	274	J	765103	183	G	765224	197	G	766092(C)	130	D
764471	274	J	765105	183	G	765225	193	G	766093(C)	130	D
764475	274	J	765109	183	G	765226	192	G	766096(C)	130	D
764480	274	J	765117	183	G	765227	193	G	766097(C)	130	D
764481	274	J	765130	189	G	765228	195	G	766119	261,333	I,N
764482	274	J	765131	189	G	765229	195	G	766120(C)	238	I
764485	274	J	765134	189	G	765284	198	G	766122(C)	238	I
764486	274	J	765135	189	G	765285	198	G	766124(C)	238	I
764487	274	J	765136	189	G	765300	191	G	766125(C)	238	I
764490(B)	278	J	765137	189	G	765984	201	G	766126(C)	238	I
764491	278	J	765140	189	G	765985	201	G	766128(C)	238	I
764492	278	J	765141	189	G	765986	201	G	766130(C)	238	I
764493	278	J	765142	189	G	765987	201	G	766131(C)	238	I
764494	273	J	765143	189	G	765988	201	G	766132(C)	238	I
764495	278	J	765144	187	G	765989	201	G	766133(C)	238	I
764496	278	J	765145	187	G	765990	201	G	766134(C)	238	I
764497	278	J	765146	187	G	765991(Q)	201	G	766143	242	I
764498	278	J	765147	187	G	765992(Q)	201	G	766148	242	I
764700	279	J	765148	187	G	765993(Q)	201	G	766150	243	I
765000(B)	182	G	765149	187	G	765994	201	G	766151	241	I
765001(B)	182	G	765150	187	G	765995(Q)	201	G	766152	241	I
765002(B)	190	G	765151	187	G	765996(Q)	201	G	766156	263,334	I,N
765003(B)	182	G	765152	187	G	765997	201	G	766157(Q)	243	I
765004(B)	182	G	765153	188	G	765998	201	G	766158(Q)	243	I
765005(B)	182	G	765154	188	G	765999	201	G	766159(Q)	243	I
765006(B)	182	G	765155	188	G	766000	267,336	I,N	766160(Q)	243	I
765007	190	G	765156	188	G	766001	267,336	I,N	766161(Q)	243	I
765010(B)	184	G	765157	188	G	766005	248	I	766162(Q)	243	I
765011(B)	182	G	765158	185	G	766006	248	I	766163(Q)	243	I
765012	179	G	765159	185	G	766008	249	I	766164(Q)	243	I
765018(B)	184	G	765160	185	G	766009	249	I	766165(Q)	243	I
765019(B)	182	G	765161	186	G	766010	267,327	I,N	766166(Q)	243	I
765020	179	G	765162	186	G	766011	268,320	I,N	766167(Q)	243	I
765030	179	G	765163	186	G	766035	249	I	766170(Q)	246	I
765031	179	G	765164	186	G	766036	249	I	766171(Q)	246	I
765032	179	G	765168	185	G	766041(B)	220, 229	I	766172(Q)	246	I
765033	179	G	765169	185	G	766042(B)	239	I	766173(Q)	246	I
765034	179	G	765170	185	G	766043(B)	220, 229	I	766174(Q)	246	I
765041	180	G	765171	185	G	766044(B)	220, 229	I	766176	264,334	I,N
765042(B)	180	G	765172	188	G	766045(B)	220, 229	I	766184	262,334	I,N
765043	181	G	765173	188	G	766046C	132	D	766188(C)	238	I
765046(B)	180	G	765174	188	G	766047C	132	D	766189(C)	238	I
765047(B)	180	G	765175	188	G	766049C	132	D	766190(C)	238	I
765048	181	G	765176	187	G	766050C	132	D	766191(C)	238	I
765049(B)	181	G	765177	187	G	766053C	132	D	766192(Q)	242	I
765052(B)	180	G	765196(B)	199	G	766054C	132	D	766193(Q)	242	I
765054(B)	180	G	765198(B)	199	G	766056	133	D	766194(Q)	242	I
765055(B)	180	G	765201(B)	199	G	766057	133	D	766195(Q)	242	I
765056(B)	180	G	765202(B)	199	G	766058(C)	130	D	766196(Q)	242	I
765057(B)	181	G	765203(B)	199	G	766059(C)	130	D	766197(Q)	242	I
765058(B)	180	G	765204(B)	199	G	766060(C)	130	D	766198(Q)	242	I
765059(B)	180	G	765205	191	G	766061(B,C)	130	D	766199(Q)	242	I
765060	190	G	765206	199	G	766067(B)	220	I	766200(Q)	242	I
765062(B)	181	G	765207	191	G	766068(B)	220	I	766201(Q)	242	I
765063(B)	180	G	765208(B)	195,196	G	766070(B)	220	I	766202(Q)	242	I
765064(B)	180	G	765209	191	G	766071(B)	220	I	766204	257,332	I,N
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765066(B)	180	G	765211	190	G	766073(B)	220	I	766207	254,331	I,N
765067(B)	181	G	765212	190	G	766074(C)	130	D	766208(C)	228	I
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765070(B)	181	G	765214	196	G	766076C	132	D	766210(C)	228	I
765071(B)	181	G	765215	194	G	766077C	132	D	766211(C)	228	I
765072(B)	184	G	765216	197	G	766078C	132	D	766212(C)	228	I
765073(B)	184	G	765217(B)	196	G	766079C	132	D	766213(C)	228	I
765074(B)	181	G	765218	196	G	766080	132	D	766214(C)	228	I
765075(B)	184	G	765219	197	G	766087(B,C)	130	D	766215(C)	228	I
765076(B)	181	G	765220	197	G	766088(B,C)	130	D	766216(C)	228	I
765077(B)	184	G	765221(B)	197	G	766089(B,C)	130	D	766217(C)	228	I
765101	183	G	765222	192	G	766090(C)	130	D	766218(C)	228	I
765102	183	G	765223	198	G	766091(B,C)	130	D	766219(C)	228	I

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766419	133	D
766500C	132	D
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766739	219	I	766813(C)	236	I	766902	244	I	767753	166	F
766740	219	I	766814(C)	236	I	766903	244	I	767754	166	F
766741	219	I	766815(C)	236	I	766904	241	I	767756	166	F
766742	219	I	766816(C)	236	I	766905	241	I	767758	166	F
766743	219	I	766817(C)	236	I	766906	241	I	767759	166	F
766744	219	I	766818(C)	236	I	766907	241	I	767760	166	F
766745	219	I	766819(Q)	246	I	766908	241	I	767761	166	F
766746	219	I	766820(Q)	246	I	766909	241	I	767763	166	F
766747	219	I	766821(Q)	246	I	766910	241	I	767771	167	F
766748	219	I	766822(Q)	246	I	766977	253,330	I,N	767772	167	F
766749	219	I	766823(Q)	246	I	766978	255,331	I,N	767773	167	F
766750	219	I	766824(Q)	246	I	766979	260,333	I,N	767775	167	F
766751	219	I	766825(C)	236	I	766980	260,333	I,N	767776	167	F
766752	219	I	766826(C)	236	I	766981	259,332	I,N	767778	167	F
766753	219	I	766827(C)	236	I	766982	259,332	I,N	767786	163	F
766754	219	I	766828(C)	236	I	766983	255,331	I,N	767787(B)	163	F
766755	219	I	766829	264,334	I,N	766984	258,332	I,N	767790	168	F
766756	219	I	766830	241	I	766985	257,332	I,N	767791	168	F
766757	219	I	766831	241	I	766986	256,331	I,N	767792	163	F
766758	219	I	766832	241	I	766987	254,331	I,N	767793	162	F
766759	219	I	766833	241	I	766988	253,330	I,N	767794	168	F
766760	219	I	766834	241	I	766989	252,330	I,N	767795	168	F
766761	219	I	766835	241	I	766990	252,330	I,N	767796	169	F
766762(Q)	226	I	766836	241	I	766991	252,330	I,N	767797	169	F
766763(Q)	226	I	766837	238	I	766992	265,335	I,N	767798(B)	169	F
766764(Q)	226	I	766838	238	I	766993	265,335	I,N	767799(B)	169	F
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766768(Q)	226	I	766847	244	I	766997	266,335	I,N	767804	167	F
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766773(C)	228	I	766855	244	I	767022	286	K	767822	166	F
766774(C)	228	I	766856	244	I	767046C	132	D	767823	166	F
766775(C)	228	I	766863	245	I	767047C	132	D	767825	166	F
766776(C)	228	I	766864	245	I	767050C	132	D	767826	166	F
766777(C)	228	I	766865	245	I	767053C	132	D	767828	166	F
766778(C)	228	I	766866	245	I	767054C	132	D	767829	166	F
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766783(C)	232	I	766871	245	I	767122	166	F	767834	166	F
766784(C)	232	I	766873	245	I	767125	166	F	767836	166	F
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766787(C)	232	I	766878	245	I	767131	166	F	767854	166	F
766788(C)	232	I	766879	245	I	767135	166	F	767856	166	F
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766790(C)	232	I	766882	245	I	767500C	132	D	767859	166	F
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766797(C)	234	I	766886	245	I	767701	167	F	767871	167	F
766798(C)	234	I	766887	245	I	767703	167	F	767873	167	F
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766802(C)	234	I	766891	247	I	767725	166	F	767887(B)	163	F
766803(C)	234	I	766892	247	I	767726	166	F	767890	168	F
766804(C)	234	I	766893	247	I	767728	166	F	767891	168	F
766805(C)	234	I	766894	247	I	767729	166	F	767892	163	F
766806(C)	234	I	766895	247	I	767730	166	F	767893	162	F
766807(C)	234	I	766896	247	I	767731	166	F	767894	168	F
766808(C)	234	I	766897	247	I	767732	166	F	767895	168	F
766809(C)	234	I	766898	247	I	767733	166	F	767896	169	F
766810(C)	234	I	766899	247	I	767734	166	F	767897	169	F

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PART	PAGE#	TAB	PART	PAGE#	TAB	PART	PAGE#	TAB	PART	PAGE#	TAB
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768854(M)	85	B	769223	88	B	769372	142	E	769528	89,172	B,F
768855(M)	85	B	769223-250	88	B	769374	143	E	769530	89,172	B,F
768856(M)	85	B	769224	88	B	769377	143	E	769532	89,172	B,F
768857(M)	85	B	769224-250	88	B	769378	143	E	769533	89,172	B,F
768858(M)	85	B	769225(B)	87	B	769380	166	F	769551	173	F
768860(M)	85	B	769226(B)	87	B	769381	166	F	769552	173,174	F
768861(M)	85	B	769227(B)	87	B	769382	166	F	769554	173	F
768862(M)	85	B	769228(B)	87	B	769383	166	F	769555	173	F
768863(M)	85	B	769229(B)	87	B	769384	166	F	769558	173	F
768864(M)	85	B	769230(B)	87	B	769385	166	F	769559	173	F
768865(M)	85	B	769231(B)	87	B	769386	167	F	769562	173,174	F
768866(M)	85	B	769232(B)	87	B	769387	167	F	769570	173,174	F
768867(M)	85	B	769254	88	B	769388	167	F	769574	173,174	F
768868(M)	85	B	769254-250	88	B	769389	167	F	769575	173	F
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769033	96	B	769259	88	B	769392	167	F	769598	174	F
769034	96	B	769259-250	88	B	769394	167	F	769599	174	F
769035	96	B	769260(B)	86	B	769395	143	E	769650	129	D
769036	96	B	769261(B)	86	B	769396	143	E	769651	129	D
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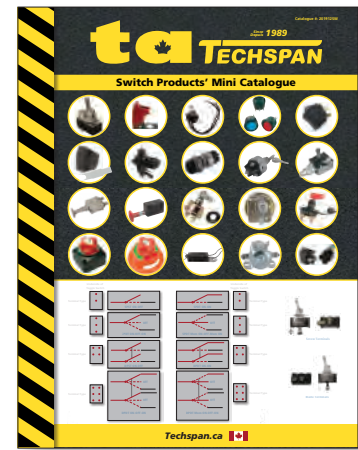
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