

Vibralloy Terminals

The Ultimate In High Performance Design

- A brass sleeve for optimum grip on insulation, strain relief and vibration protection.
- The sleeve is recessed for excellent flash-over protection.
- The terminal barrel features a non-slip ridge so tool slides to the end of terminal for proper crimp and better workmanship.
- Beveled leading edge for easy insulation entry.

Terminal construction features:

One-piece, burr free construction for maximum electrical conductivity. Nicro-tin plating for maximum corrosion resistance. Annealed to relieve stress points and assure maximum installed strength.

Barrel-to-pad transition designed to minimize flexing and bending.

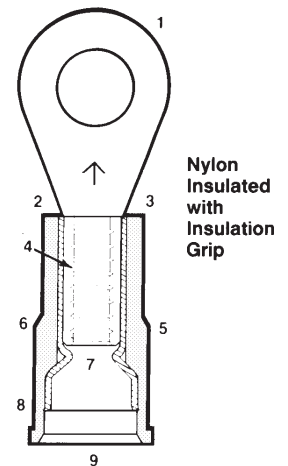
Open-end design permits visual inspection of wire location before and after crimping.

Multiple "V" grooves in #22-4 AWG parts for maximum holding power and current flow.

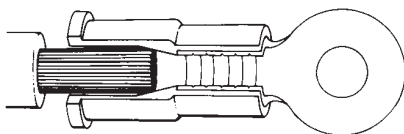
Injection Molded insulations provide the highest quality terminals in the industry.

Molding insures consistent wall thickness for maximum reliability after crimping.

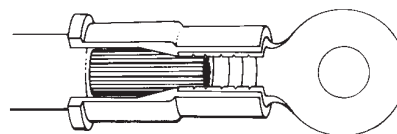
Funnel Barrel construction for easier installation, no wire twisting necessary, eliminates strand hangups.



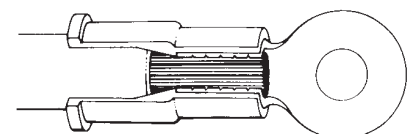
Funnel barrel feature provides excellent electrical and mechanical connection.



1. Funnel design guides wire into position



2. No wire strand hangup as wire is inserted. Fast, positive installation.



3. Wire in place ready for crimping.

Correct crimping is important to assure a strong connection.

Electrical Crimp

Molding offers the crimp ridge and non-slip ridge. Crimp ridge designed for positive location of tool on terminal barrel which means fewer miscrimps. Insures good crimp contact and electrical conductivity.

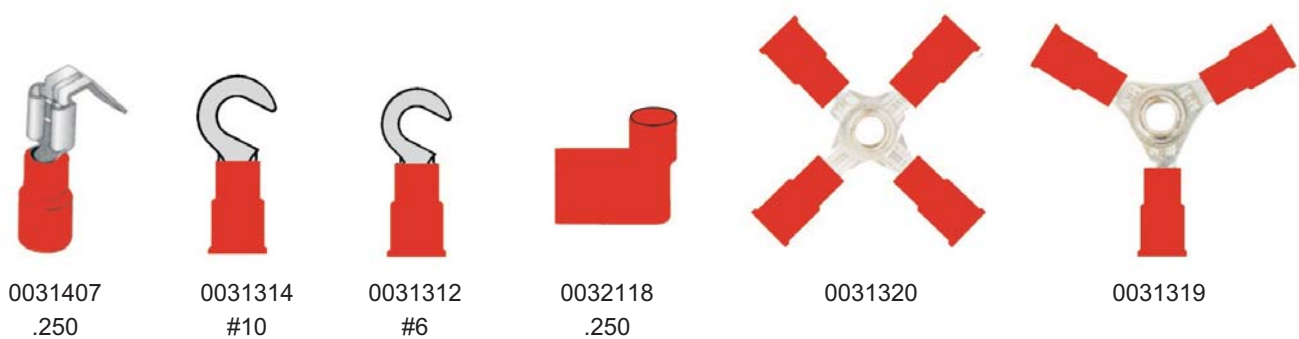
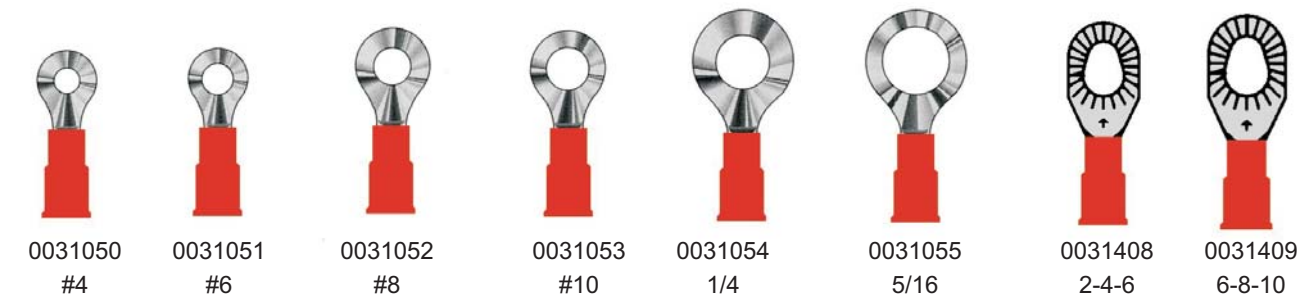
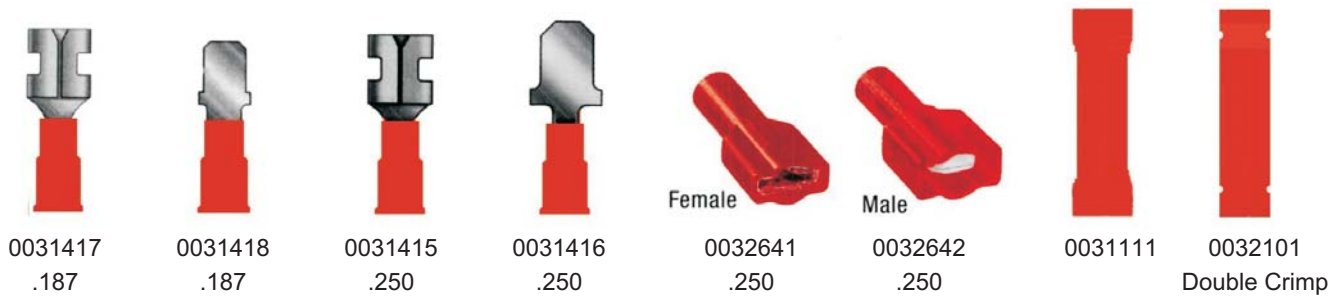
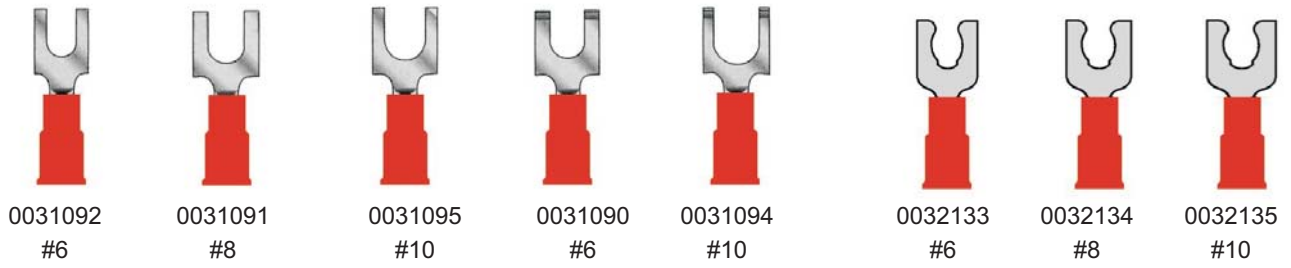
Mechanical Crimp

- Nylon insulated butted seam with insulation grip used where insulated barrel and positive insulation grip are necessary or desirable.
- Terminal consists of butted seam part with flared, seamless brass sleeve securely attached and covered with flared, molded nylon sleeve.
- Wire insulation positions itself against funnel portion of brass sleeve.
- Crimping barrel and flared portion of sleeve provide excellent electrical contact plus mechanical stress relief at junction of insulation and barrel.
- Insulators are rated at a continuous operating temperature range from 40°F to 220°F (-40°C to 105°C).
- U.L. Listed and CSA Certified for 600 volt building wire and 1000 volt signs and fixtures.

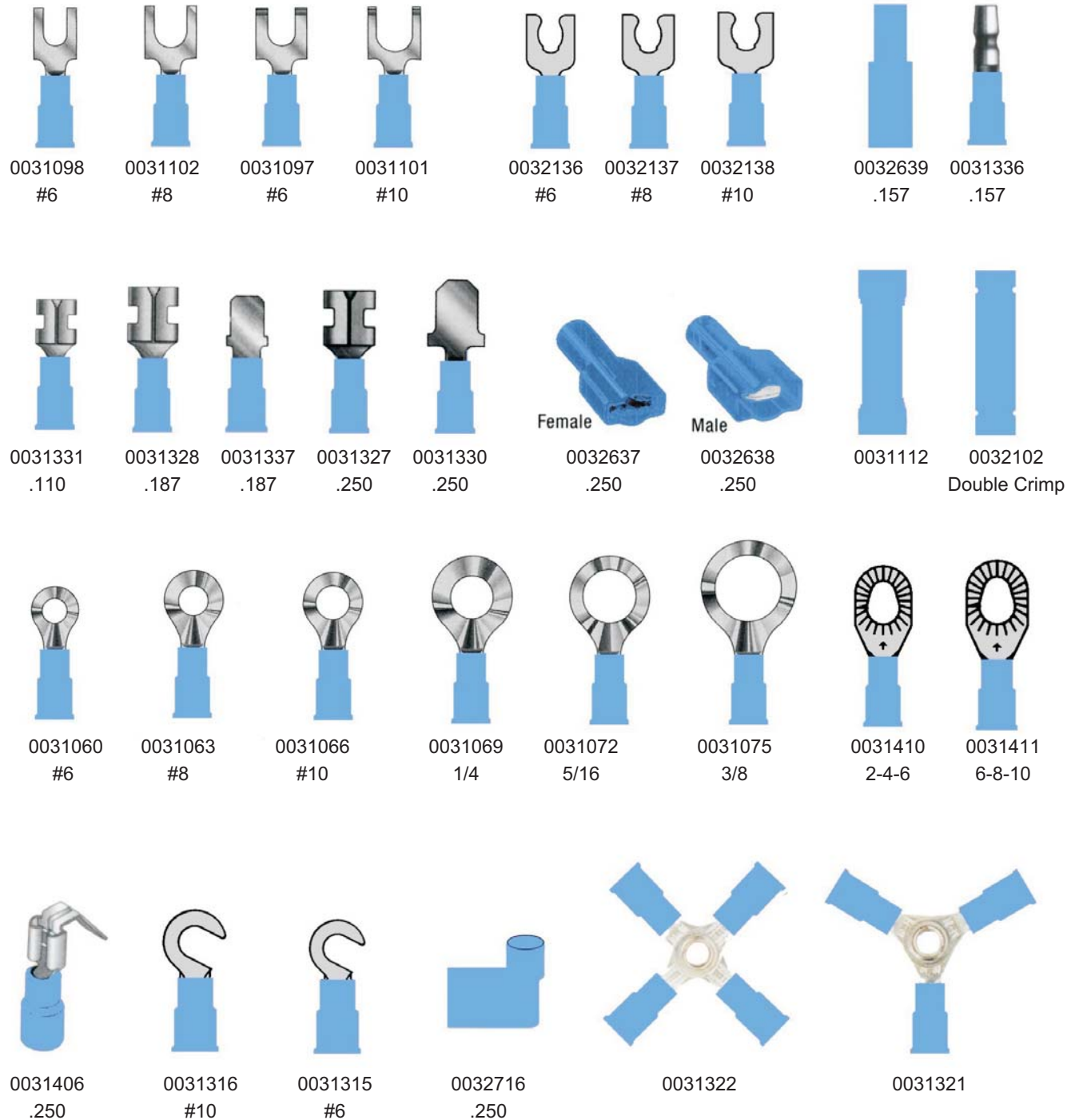
TERMINALS



22-18 Gauge Wire Range (Red) - Nylon



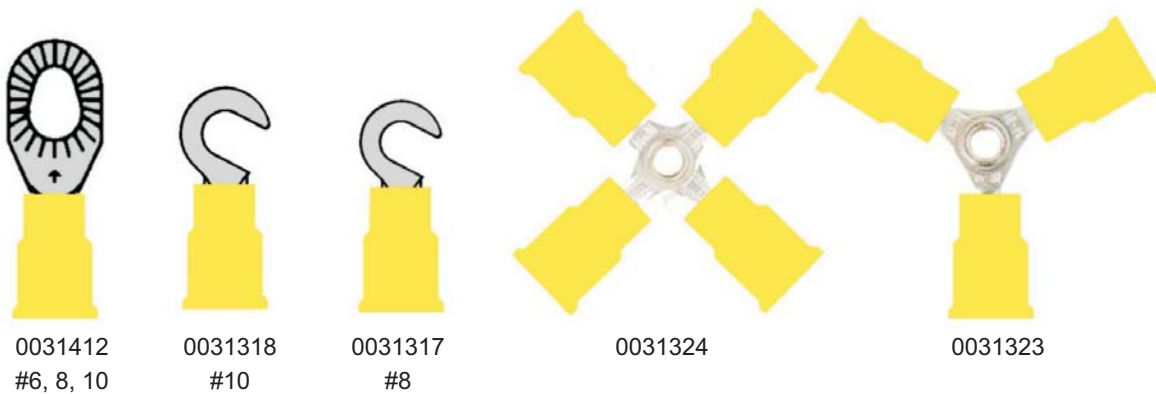
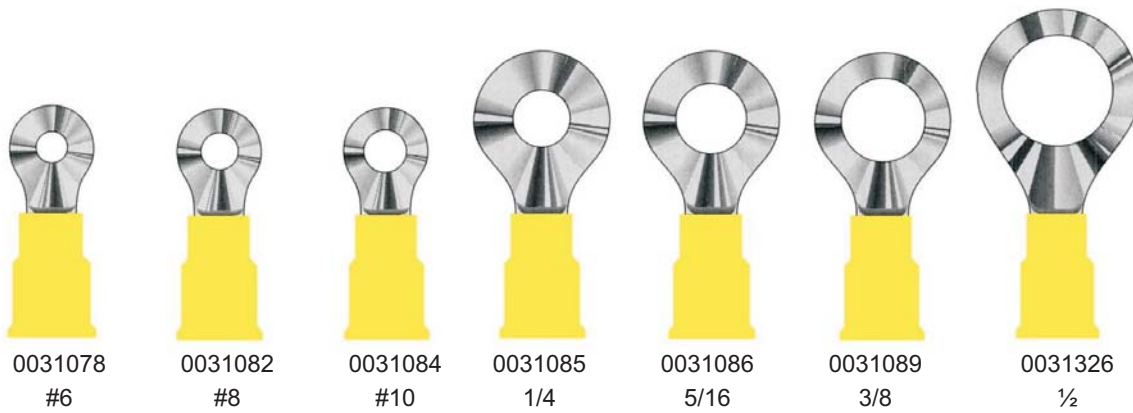
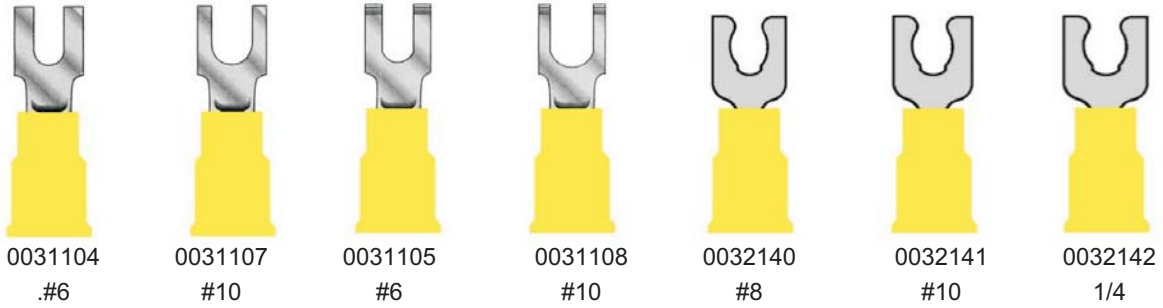
16-14 Gauge Wire Range (Blue) - Nylon



TERMINALS



12-10 Gauge (yellow) - Nylon



Ring Tongue Terminals

- Safest most reliable tongue type
- Can not be disconnected unless screw is completely removed


Color Code	Wire Range (awg)	Stud Size	Part Number
RED	22-18	4	0031050
	22-18	6	0031051
	22-18	8	0031052
	22-18	10	0031053
	22-18	1/4	0031054
	22-18	5/16	0031055
	22-18	3/8	0031056
BLUE	16-14	6	0031060
	16-14	8	0031063
	16-14	10	0031066
	16-14	1/4	0031069
	16-14	5/16	0031072
	16-14	3/8	0031075
YEL	12-10	6	0031078
	12-10	8	0031082
	12-10	10	0031084
	12-10	1/4	0031085
	12-10	5/16	0031086
	12-10	3/8	0031089
	12-10	7/16	0031325
	12-10	1/2	0031326



Large Wire Ring Tongue Terminals

- Tough molded insulation
- Funnel entry barrel


Color Code	Wire Range (awg)	Stud Size	Part Number
RED	8	10	0031175
	8	1/4	0031176
	8	5/16	0031177
	8	3/8	0031178
	8	7/16	0031309
BLUE	6	10	0031179
	6	1/4	0031180
	6	5/16	0031181
	6	3/8	0031182
YEL	6	7/16	0031310
	4	1/4	0031183
	4	5/16	0031185
	4	7/16	0031311



Multi Stud Ring Tongue Terminals

- Stock one terminal for 3 different stud sizes
- V-groove tongue prevents loosening due to vibration


	Wire Range (awg)	Stud Size	Part Number
RED	22-18	2-4-6	0031408
	22-18	6-8-10	0031409
BLUE	16-14	2-4-6	0031410
	16-14	6-8-10	0031411
YEL	12-10	6-8-10	0031412



Heavy Duty Ring Tongues

- 25% Thicker for hi-vibration service
- Designed for off-the-road equipment and electric utilities

	Wire Range (awg)	Stud Size	Part Number
YEL	16-12	8	0032108
	16-12	10	0032110
	16-12	1/4	0032116
	16-12	3/8	0032124
	16-12	7/16	0032128
	16-12	1/2	0032132




Hook Terminals

- Provides advantages of fork and ring type terminals
- Combined sideways and forward movement used to install or remove

	Wire Range (awg)	Stud Size	Part Number	
RED	22-18	4-6	0031312	
	22-18	8-10	0031314	
BLUE	16-14	4-6	0031315	
	16-14	8-10	0031316	
YEL	12-10	4-6	0031317	

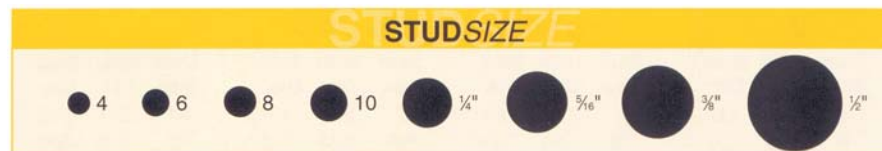
Snap Spade Terminals

- Spring-like tongue snaps around screw locking the terminal in place
- Goes on like a fork, stays on like a ring.

	Wire Range (awg)	Stud Size	Part Number	
RED	22-18	6	0032133	
	22-18	8	0032134	
	22-18	10	0032135	
BLUE	16-14	6	0032136	
	16-14	8	0032137	
	16-14	10	0032138	
	16-14	1/4	0032139	
YEL	12-10	8	0032140	
	12-10	10	0032141	
	12-10	1/4	0032142	

Block Spade Terminals

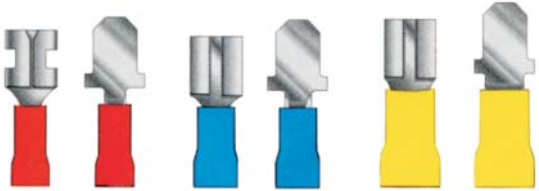
	Wire Range (awg)	Stud Size	Block Spade Part No.	Flanged Spade Part No.	Block Spade	Flanged Spade
RED	22-18	4-6	0031092	0031090		
	22-18	8-10	0031095	0031094		
BLUE	16-14	4-6	0031098	0031097		
	16-14	8-10	0031102	0031101		
YEL	12-10	4-6	0031104	0031105		
	12-10	8-10	0031107	0031108		



Quick Disconnects


- Designed for quick reliable slip-on interconnections
- Double Crimp Design with Insulation Grip prevents potential failure from stress, shock, and vibration
- Funnel Entry Design for easy wire insertion
- Tab locator lip for easier quicker assembly

	Wire Range (awg)	Male Tab Width	Type	Part Number
RED	22-18	.187	FEMALE	0031417
	22-18	.187	MALE	0031418
	22-18	.250	FEMALE	0031415
	22-18	.250	MALE	0031416
BLUE	16-14	.110	FEMALE	0031331
	16-14	.187	FEMALE	0031328
	16-14	.187	MALE	0031337
	16-14	.250	FEMALE	0031327
YEL	12-10	.250	FEMALE	0032624
	12-10	.250	MALE	0032640



Nylon Fully Insulated Quick Disconnects


	Wire Range (awg)	Male Tab Width	Type	Part Number
RED	22-18	.250	FEMALE	0032641
	22-18	.250	MALE	0032642
BLUE	16-14	.250	FEMALE	0032637
	16-14	.250	MALE	0032638
YEL	12-10	.250	FEMALE	0032643
	12-10	.250	MALE	0032644



Multi-stack Disconnect Terminals


Allows for a series of terminals to be joined together

	Wire Range (awg)	Male Tab Width	Part Number
RED	22-18	.250	0031407
BLUE	16-14	.250	0031406




Fully Insulated Flag Right Angle Disconnect

	Wire Range (awg)	Male Tab Width	Type	Part Number
RED	22-18	.250	FEMALE	0032718
BLUE	16-14	.250	FEMALE	0032716
YEL	12-10	.250	FEMALE	0032712



Butt Connectors


	Wire Range (AWG)	Nylon Part Number	Vinyl Part Number
RED	22-18	0031111	0030410
BLUE	16-14	0031112	0031354
YELLOW	12-10	0031113	0032310
RED	8		0031186
BLUE	6		0031187
YELLOW	4		0031188



Butt Connectors - Nylon Double Crimp

- Insulation grip provides increased pull out resistance
- Funnel entry design; extra long seamless barrel

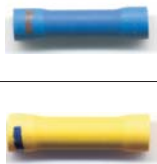
	Wire Range (AWG)	Part Number
RED	22-18	0032101
BLUE	16-14	0032102
YELLOW	12-10	0032103



Butt Connectors - Step Down

- Perfect solution when two wires need to be inserted in one end of a splice and a single wire in the other end

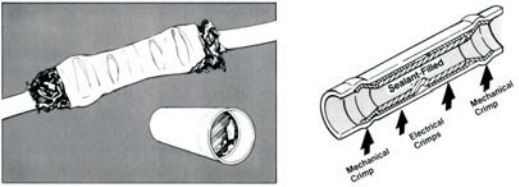
	Wire Range (AWG)	Part Number
BLUE W/ RED STRIPE	16/14 to 22/18	0039501
YELLOW W/ BLUE STRIPE	12/10 to 16/14	0039502




Moisture Resistant Butt Connector

- Premium quality nylon insulated connector with insulation grip - sealant filled; UL listed
- Protects exposed electrical connections from corrosive environments
- Excellent strain relief to resist the effects of vibration
- Will withstand high temperature power wash solutions; road chemicals, salt spray, fertilizer


	Wire Range (AWG)	Part Number
RED	22-18	0037200
BLUE	16-14	0037201
YELLOW	12-10	0037202



3-Way Connectors

	Wire Range (AWG)	Nylon Part Number	Vinyl Part Number	
RED	22-18	0031319		
BLUE	16-14	0031321	0034410	
YEL	12-10	0031323	0034510	

4-Way Connectors

	Wire Range (AWG)	Nylon Part Number	Vinyl Part Number	
RED	22-18	0031320		
BLUE	16-14	0031322	0034610	
YEL	12-10	0031324	0034710	


Bullet Connectors and Snap Plugs

- Bullet connector that mates with a snap plug receptacle allowing for fast connecting and disconnecting

	Wire Range (AWG)	Snap Dia.	Nylon Part No.	Vinyl Part No.	Non-Insul Part No.	Type	
BLUE	16-14	.157	0031336	0031710	0030017	Universal Plug	
	16-14	.157		0032639		Universal Receptacle	
	16-14	.157		0031347		Universal Double Female Receptacle	
	16-14	.157		0032617		Universal Three Way Snap Plug Receptacle	
	16-14	.176		0031610	0030016	Ford Plug	

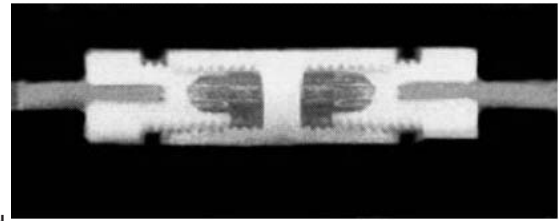
Closed End Connectors

- Translucent nylon insulation
- Tin plated copper sleeve

Part Number	Gauge	
0030040	22-18	
0030041	16-10	

Posi-Lock Connectors

No More Crimping or Loose Connections



- The Posi-Lock Connector can connect two or more wires anywhere with only a pocket knife or wire stripper!
- One Posi-Lock Connector can handle a wire size range of 18 to 12 awg. Simply insert the bare wire ends into the Posi-Lock and hand tighten. Connection Completed!
- Used in both O.E.M. and aftermarket applications, the Posi-Lock has a wire pull strength of 25 to 46lbs. and can be disconnected and reconnected over and over again.
- Molded of nylon type 6/6 with a tin plated brass insert and will not corrode.
- Up to 4 times stronger than crimp connectors.
- Temperature rating of up to 250° C or 482° F and is chemical resistant; can be used in engine compartments
- Can handle multiple wire connections; the 8 to 10 awg can handle 16 different wire combinations

Part Number	Type	Wire Size (Gauge)	
0031824	Butt Connector	18 to 24	
0031218	Butt Connector	12 to 18	
0031008	Butt Connector	8 to 10	
0036142	Y Connector	12 to 18	
0036152	In-line Fuseholder (3/4 to 1-1/4)	12 to 18	
0036162	Weatherite Boot	12 to 18	

Posi-Lock Assortment

Part Number	Contents	
0031000	26 Total Pieces 10 pieces 18-24 ga 12 pieces 12-18 ga 4 purchase 8-10 ga	<p>Seven compartment plastic box with locking latch</p>

Krimp-N-Seal Heat Shrink Connectors

- Corrosion resistant - adhesive lined heat shrink tubing provides resistance to water, salt, steam, and other contaminants.
- Improved mechanical performance - adhesive lined heat shrink tubing adheres to both the connector and the wire insulation providing improved pullout strength and strain relief
- Durable heat shrink tubing improves resistance to abrasion, scoring, and the effects of long term aging.

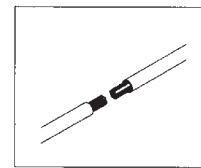
Part No	AWG	Style	Stud Size	Color
0039401	20-18	Ring	#6	Red
0039402	20-18	Ring	#8	
0039403	20-18	Ring	#10	
0039404	20-18	Ring	1/4	
0039405	20-18	Spade	#10	
0039406	20-18	Butt		
0039407	20-18	FemaleFIQD	.25	
0039408	20-18	Male FIQD	.25	
0039434	20-18	Bullet Plug	.157	
0039435	20-18	Bullet Recpt	.157	



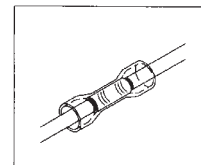
Part No	AWG	Style	Stud Size	Color
0039409	16-14	Ring	#8	Blue
0039410	16-14	Ring	#10	
0039411	16-14	Ring	1/4	
0039428	16-14	Ring	5/16	
0039412	16-14	Ring	3/8	
0039413	16-14	Spade	#10	
0039414	16-14	Butt		
0039415	16-14	Female FIQD	.25	
0039416	16-14	Male FIQD	.25	
0039432	16-14	Bullet Plug	.157	
0039433	16-14	Bullet Recpt	.157	
0039436	16-14	Male QD	.250	
0039437	16-14	Female QD	.250	

Part No	AWG	Style	Stud Size	Color
0039417	12-10	Ring	#10	Yellow
0039418	12-10	Ring	1/4	
0039419	12-10	Ring	3/8	
0039420	12-10	Ring	1/2	
0039421	12-10	Spade	#10	
0039422	12-10	Butt		
0039423	12-10	Female FIQD	.25	
0039424	12-10	Male FIQD	.25	

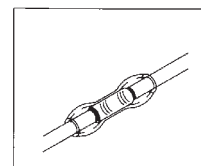
Application Procedure



Strip wires to appropriate length as indicated on package label. (See package label.)



Insert wire into terminal and crimp with correct station of a recommended tool.



Apply heat with a recommended heat source.

Elektralink Solder Heat Shrink Connectors

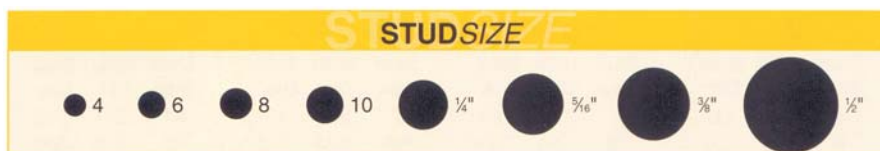
- Eliminate the three most common causes of electrical problems;
 - Corrosion due to exposure to moisture and solvents
 - Mechanical failure due to strain and vibration causing breakoff
 - Wires pulling loose from connectors due to improper crimping
- No crimping needed, just heat terminal until low melt solder flows for a strong vibration proof connection
- Color coded transparent adhesive lined tubing seals the connection, eliminates corrosion, bonds the terminal to the wire insulation for additional strain relief and pullout resistance.

Temperature Rating: -65° To 275°F
 Dielectric Strength: 15kv
 Insulation Resistance: 10¹⁴ Megohms
 Tubing Spec: Mil-I-23053/4, Class I Ams-3634
 Solder Spec: Qq5571e, Mil-S-14256

Part No	AWG	Style	Stud Size	Color
0039301	20-18	Ring	#6	Red
0039302	20-18	Ring	#8	
0039303	20-18	Ring	#10	
0039304	20-18	Ring	1/4	
0039305	20-18	Spade	#10	
0039306	20-18	Butt		
0039307	20-18	Female QD	.25	
0039308	20-18	Male QD	.25	

Part No	AWG	Style	Stud Size	Color
0039309	16-14	Ring	#8	Blue
0039310	16-14	Ring	#10	
0039311	16-14	Ring	1/4	
0039312	16-14	Ring	3/8	
0039313	16-14	Spade	#10	
0039314	16-14	Butt		
0039315	16-14	Female QD	.25	
0039316	16-14	Male QD	.25	

Part No	AWG	Style	Stud Size	Color
0039317	12-10	Ring	#10	Yellow
0039318	12-10	Ring	1/4	
0039319	12-10	Ring	3/8	
0039320	12-10	Ring	1/2	
0039321	12-10	Spade	#10	
0039322	12-10	Butt		
0039323	12-10	Female QD	.25	
0039324	12-10	Male QD	.25	



Multilink Crimp/Solder Heat Shrink Connectors

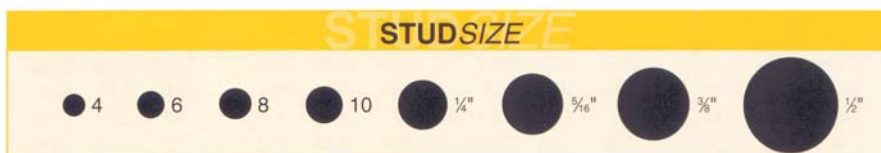
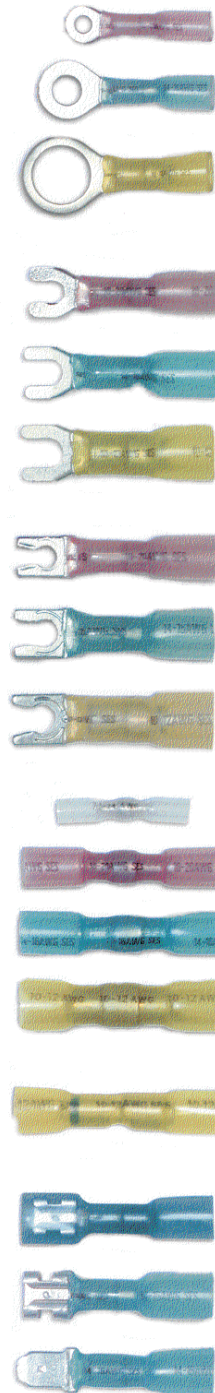
- High quality, brazed seam crimp connector provides a secure mechanical connection
- Pre-fluxed, low temperature solder delivers superior current flow and tensile strength
- Translucent, adhesive-lined heat shrink tubing allows for visual inspection and provides a seal against corrosion
- Crimped, soldered and sealed connection meets or exceeds the most stringent OEM standards

Temperature Rating: -65° To 275°F
 Tensile Strength: 2200 psi
 Dielectric Strength: 1000 volts/mil
 UL Voltage Rating: 600 volts

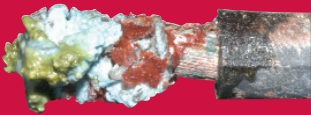
Part No	AWG	Style	Stud Size	Color
0039701	20-18	Ring	#6	Red
0039702	20-18	Ring	#8	
0039703	20-18	Ring	#10	
0039712	20-18	Spade	#10	
0039429	20-18	Butt		
0039715	20-18	Female QD	.25	
0039716	20-18	Male QD	.25	

Part No	AWG	Style	Stud Size	Color
0039704	16-14	Ring	#8	Blue
0039705	16-14	Ring	#10	
0039706	16-14	Ring	1/4	
0039707	16-14	Ring	3/8	
0039713	16-14	Spade	#10	
0039430	16-14	Butt		
0039717	16-14	Female QD	.25	
0039718	16-14	Male QD	.25	

Part No	AWG	Style	Stud Size	Color
0039708	12-10	Ring	#10	Yellow
0039709	12-10	Ring	1/4	
0039710	12-10	Ring	3/8	
0039711	12-10	Ring	1/2	
0039714	12-10	Spade	#10	
0039431	12-10	Butt		
0039719	12-10	Female QD	.25	
0039720	12-10	Male QD	.25	



STOP WIRE CORROSION



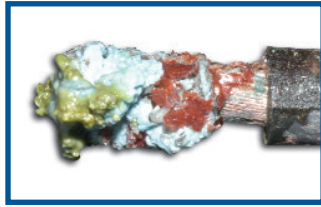
MAKE PERMANENT REPAIRS

CRIMP & SOLDER CONNECTORS



PROBLEM: CORROSION!

Corrosion damage costs the transportation industry over **\$23.4 Billion**



In a fleet survey, maintenance managers listed wiring & lighting as the most frequent corrosion problem

SOLUTION: SEALED CRIMP & SOLDER CONNECTORS

CRIMP & SOLDER CONNECTOR



CRIMPED...
FOR MECHANICAL
RELIABILITY

SOLDERED...
FOR SUPERIOR STRENGTH
& CONDUCTIVITY

SEALED...
FOR MAXIMUM
DURABILITY

**10
YEARS
OF USE**

CONDUCTIVITY:

CRIMP & SOLDER CONNECTORS

Maintained their electrical conductivity after simulating 10 years of exposure to sodium chloride, magnesium chloride, calcium chloride and other corrosive chemicals.

**80%
STRONGER**

STRENGTH:

CRIMP & SOLDER CONNECTORS

Are over 80% stronger than standard PVC/Vinyl butt connectors.



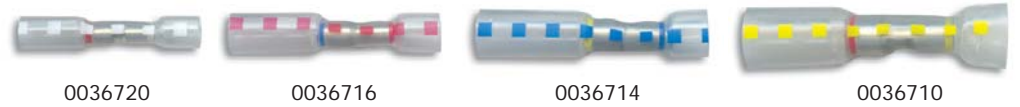
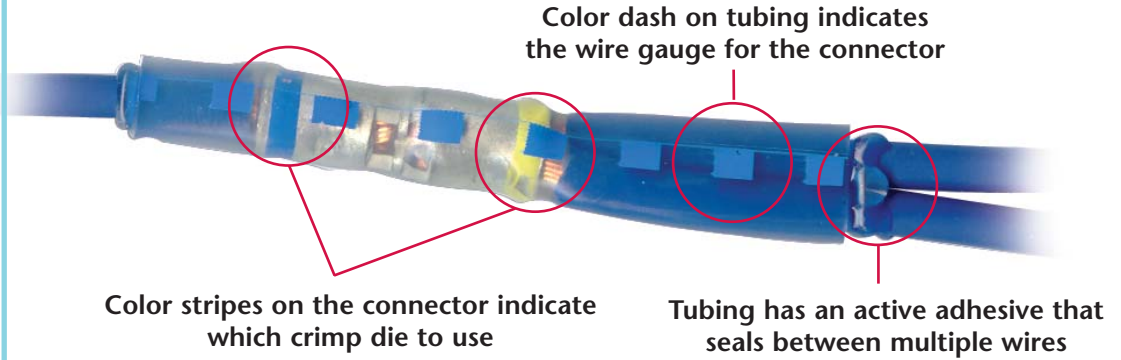


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STARTER ASSORTMENTS

IN-LINE BUTT CONNECTORS

JOIN TWO WIRES TO ONE WIRE ...



BUTT CONNECTORS

Part #	Wire Gauge	Tubing Color	Color Stripe On Connector	Wire	Crimp Die (Insulated)
0036720	24-22 AWG	Clear / White Dashes	Side 1: White Side 2: Red	One 24-22 AWG Two 24-22 AWG	White (24-22 AWG) Red (20-18 AWG)
0036716	20-18 AWG	Clear / Red Dashes	Side 1: Red Side 2: Blue	One 20-18 AWG Two 20-18 AWG	Red (20-18 AWG) Blue (16-14 AWG)
0036714	16-14 AWG	Clear / Blue Dashes	Side 1: Blue Side 2: Yellow	One 16-14 AWG Two 16-14 AWG	Blue (16-14 AWG) Yellow (12-10 AWG)
0036710	12-10 AWG	Clear / Yellow Dashes	Side 1: Yellow Side 2: Red	One 12-10 AWG Two 12-10 AWG	Yellow (12-10 AWG) Red (8 AWG)

TOOLS



0031908

Multi Purpose Crimp Tool



0031905

Self Igniting Butane
Refillable Micro Torch

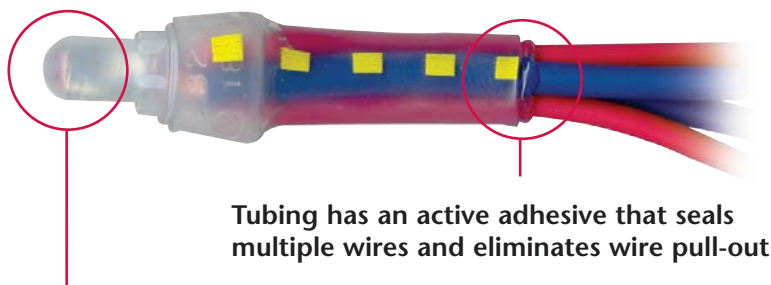


0031906

Self-Igniting Butane
Refillable Canister Torch

CLOSED-END CONNECTORS

JOIN TWO TO FOUR WIRES ...



Closed-end connectors are crimped here. In environments where corrosion and/or vibration are a problem, the closed-end connector can be used to replace wire nuts.



CLOSED END CONNECTORS

Part #	Connector Wire Range	Tubing Color
0036814	22-14 AWG	Clear / Blue Dashes
0036810	18-10 AWG	Clear / Yellow Dashes

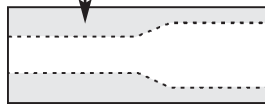
THE COMPONENTS

THE MULTIPLE WIRE CONNECTOR

THE COMPETITOR'S VERSION

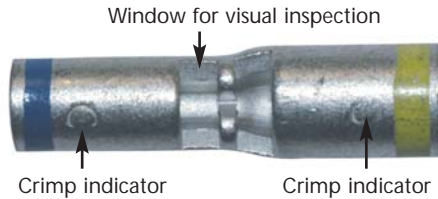


Thick copper wall - Difficult to crimp

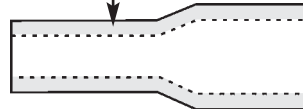


The outside diameter of the butt connector is the same on both ends and only the inside diameter is adjusted for the different wire gauge. This means that the side for the smaller wire has a much thicker wall than normal and is extremely difficult to crimp. **POTENTIAL FOR WIRE PULL-OUT!**

OUR VERSION



Uniform copper wall - **EASY** to crimp



The inside AND the outside diameter of the connector is varied which means that both sides will make a sound mechanical crimp.

The barrel has two stripes - one on each end - to indicate which wire size to insert. Plus, the stripe matches the crimp die that needs to be used. For example, the blue stripe indicates the side where a 14 or 16 AWG wire is to be inserted, and it will be crimped in the blue crimp die.

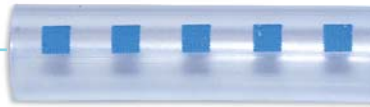
STRONG MECHANICAL TERMINATION!

ADDITIONAL FEATURES OF THE CRIMP CONNECTOR

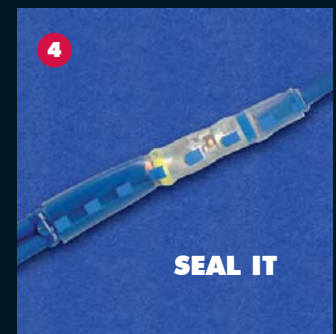
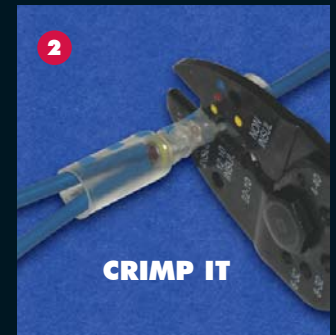
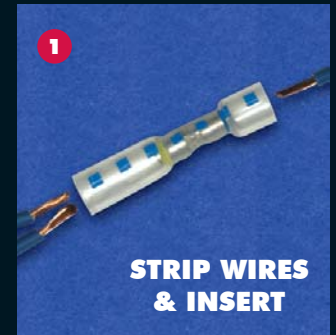
- Seamless butt connectors provide superior crimp performance
- Window in butt connectors allows for visual inspection to ensure all wires are fully inserted
- Butt connectors have indicators where the installation tool should be positioned to crimp connector
- Wire-stop in butt connector prevents over-insertion of the wires

THE HEAT SHRINK TUBING

- High adhesive-flow polyolefin to seal multiple wires
- Color-coded dash on tubing to indicate the wire gauge for the connector
- Clear tubing to allow for visual inspection



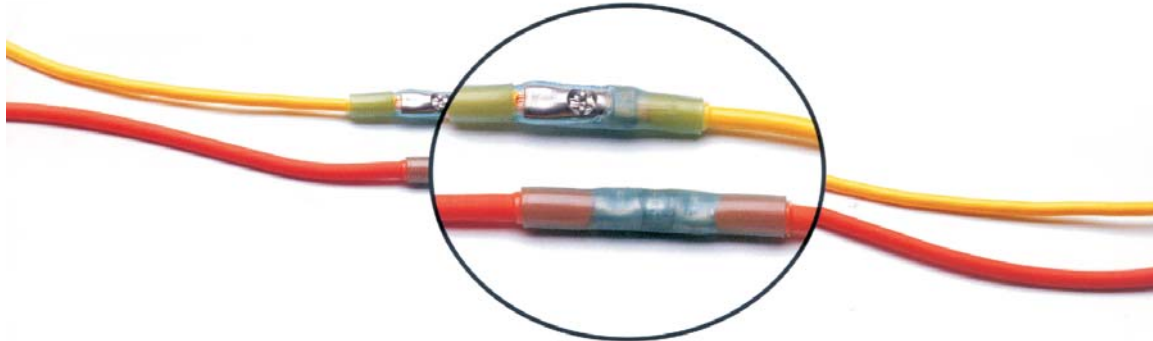
EASY TO INSTALL



<h3>PROBLEMS:</h3>		<h3>SOLUTION:</h3>	
<h4>EXISTING METHODS:</h4> <p>QUICK-TAP</p> <p>3-WAY CONNECTOR</p> <p>ADDING WIRE</p> <p>UNSEALED CONNECTOR</p>	<h4>EXISTING METHODS:</h4> <p>WIRE NUT</p> <p>END-CAP</p>	<h4>SEALED MULTIPLE WIRE CONNECTORS:</h4> <p>IN-LINE CONNECTOR</p>	<h4>SEALED MULTIPLE WIRE CONNECTORS:</h4> <p>CLOSED-END CONNECTOR</p>

MultiLink Crimp/Solder Heat Shrink Connectors

- High quality, brazed seam crimp connector provides a secure mechanical connection
- Pre-fluxed, low temperature solder delivers superior current flow and tensile strength
- Translucent, adhesive-lined heat shrink tubing allows for visual inspection and provides a seal against corrosion
- Crimped, soldered and sealed connection meets or exceeds the most stringent OEM standards



Temperature Rating: -65° To 275°F
 Tensile Strength: 2200 psi
 Dielectric Strength: 1000 volts/mil
 UL Voltage Rating: 600 volts

Part No	AWG	Style	Color
0039429	20-18	Butt	Red
0039430	16-14	Butt	Blue
0039431	12-10	Butt	Yellow



The Components

The Crimp Connector:



- Zippered brazed seam for superior crimp performance
- Window for visual inspection
- Wire stop to prevent over-insertion
- Serrated inner barrel for extra crimp strength

The Solder:



- Flux coated to clean metal surfaces
- Pre-measured solder to deliver the right amount
- Low temp solder alloy for ease of installation

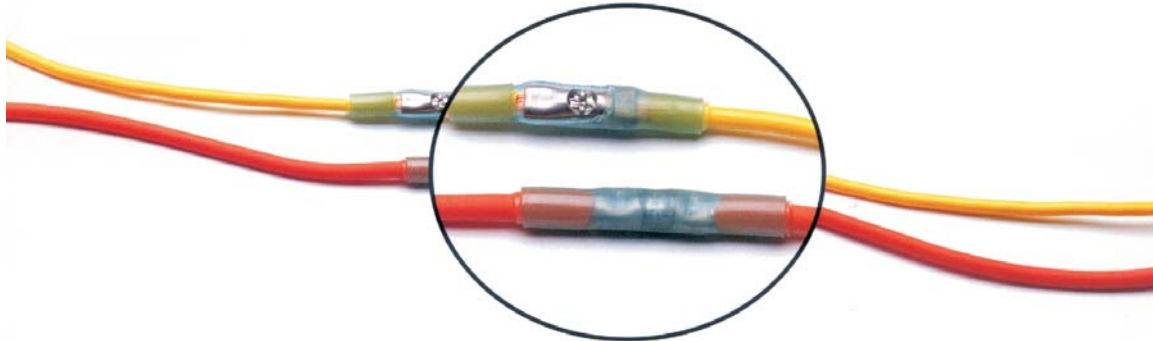
The Heat Shrink Tubing:



- Adhesive lined polyolefin to seal the connection
- Color coded with wire gauge imprint for easy size identification
- Translucent tubing to allow for visual inspection

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TERMINALS




Non Insulated Quick Connect Adapters




Part Number	Blade Width	Description	
0032632	.250	Converts One Power Block 1/4 Tab To Two Tabs	
0032631	.250	Converts One 1/4" Male Tab To Two Male Tabs	
0032633	.250	Power Block 1/4" Tab	
0031334	.250	Insulated Tab Receptacle For Connecting Two Female Quick Disconnects	

Cross-lock Disconnects

- Self-mating parts

	Wire Gauge (AWG)	Tab Width	Part Number	
RED	22-18	.250	0033620	
BLUE	16-14	.250	0033610	
Non-Insulated	16-14	.250	0030036	


Male Quick Disconnect Tongue Adapters

Stud Size	Male Tab Width	Part Number	
6	.187	0032627	
6	.250	0032628	
10	.250	0032629	

Uninsulated Ring Tongue

- High heat


Wire Range (awg)	Stud Size	Part Number
22-18	6	0030001
22-18	10	0030002
22-18	1/4	0030003
16-14	6	0030007
16-14	10	0030008
16-14	1/4	0030009
12-10	10	0030018
12-10	1/4	0030019
12-10	3/8	0030020



Uninsulated Spade Terminal

- High heat


Wire Range (awg)	Stud Size	Part Number
16-14	10	0030012
12-10	10	0030022



Uninsulated Butt Connector

- High heat



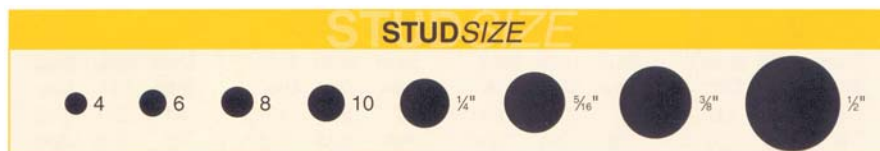
Wire Range (awg)	Part Number
22-18	0030004
16-14	0030013
12-10	0030023



Uninsulated Quick Slide

- High heat

Wire Range (awg)	Tab Size	Type	Part Number
16-14	.250	Female	0031350
16-14	.250	Male	0031351


Weather Pack Connectors

- The weather pack is designed for the engine compartment of a vehicle. Use weather packs for automotive, marine, agricultural and other harsh environmental applications.
- Positive, snap-action locking. Secondary locking helps terminal retention and provides access to the terminals for service.
- Stops in all cavities to insure proper insertion of terminals.
- All connectors are indexed to prevent mis-mating.
- Nylon housing rated -40°C to 125°C.

Female Housing Part Number	Male Housing Part Number	Contacts	
0039601	0039611	1-Way	
0039602	0039612	2-Way	
0039603	0039613	3-Way	
0039604	0039614	4-Way Flat	
0039606	0039616	6-Way Flat	



Weather Pack Terminals

- Flex-pin and lap lock design give terminals a positive connection rated for a continuous current of 19 amps.
- Dual “tang” lock the terminal into the connector cavity.
- Cable seal crimp wings reduce strain on the cable core and assure proper positioning of the cable seal.
- All terminals are tin plated.



Part Number	Description	Gauge	
0039620	Female	20-18	
0039621	Female	16-14	
0039624	Female	12	
0039622	Male	20-18	
0039623	Male	16-14	
0039625	Male	12	

Cavity Seals and Plugs


- Seals and plugs are made of self-lubricating silicone.
- Multiple “ribs” seal against dust, moisture, engine compartment fluids and chemicals.
- Cavity seals are crimped to the terminal to assure positive position of the seal in the housing cavity.
- The cavity plug is designed to fill and seal unused cavities.

Part Number	Description	Color	
0039607	Cavity Seal - 12 gauge	blue	
0039609	Cavity Seal - 16-14	grey	
0039610	Cavity Seal - 20-18 gauge	green	
0039608	Cavity Plug	green	

Weather Pack Tools

Part Number	Description	
0039626	Removal Tool	
0039627	Multi Gauge Crimper, 20-14 gauge	

Weatherpack Terminal Assortment







Part No	Description	Comp	Pieces	Contents	
1930172	Weatherpack Connectors	21	145	1, 2, 3, 4, 5 & 6 cavity, male and female. Plugs, seals, connectors and tool.	

TERMINALS



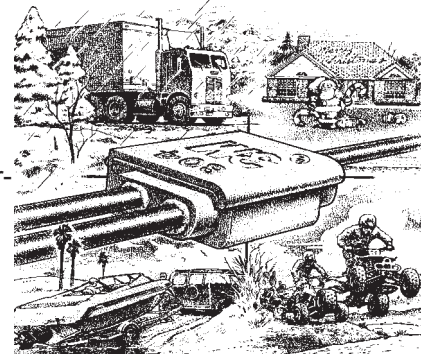
Scotch Lok Self-Stripping Connectors

- Quickly connect two or three wires without prior stripping
- No special tools- crimp with common plier

Part Number	AWG	Color	Rating	Mates With	Connection	
0037203	22-14	Blue Cap Grease Filled Scotchlok	UL- CSA 600V Max		Pigtail	
0033236	18-14	Blue Scotchlok	UL 600V Max		In-Line Splice	
0033234	18-14	Blue Grease Filled Scotchlok	UL 600V Max		In-Line Splice	
0033238	12-10	Yellow Scotchlok	UL 600V Max		In-Line Splice	
0033237	18-14	Black Scotchlok		16-14 Universal Bullet 0031710	Receptacle	
0033239	18-14	Blue T-Tap	UL & CSA	16-14 FI Male Quick Slide 0032638	Mid-span Tap	
0033240	22-18	Red T-Tap	UL & CSA	22-18 FI Male Quick Slide 0032642	Mid-span Tap	
0033241	12-10	Yellow T-Tap	UL & CSA	12-10 FI Male Quick Slide 0032644	Mid-span Tap	
0035500	18-14	Blue In-line Fuseholder	20 Amp Max	Fuse Blade Type (ATC)	In-line Fuse	

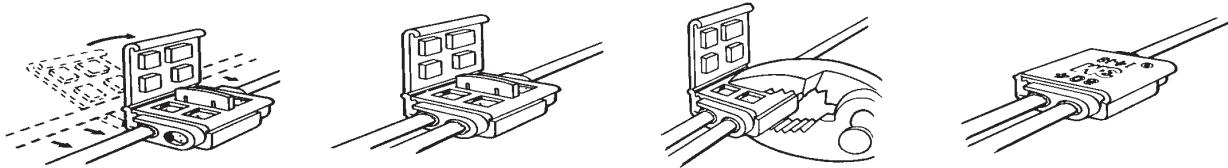
Moisture-Resistant Tap Connector

- No cutting, stripping, or taping required
- Moisture-resistant gel protects wires from corrosive environments
- Special locking cap insures a protected connection over time
- Applications: making tap connections for trucks, cars, snowmobiles, motorcycles, boats, trailers off road equipment, and outdoor lighting and landscape lighting



Part No.	AWG	Color	Rating	Connection
0033234	18-14	Blue	UL 600V	In-line splice

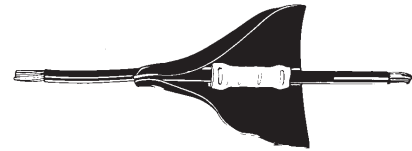
Caution: Turn off power before installing or removing connector. All electrical work should be done according to appropriate electrical codes.



Moisture Sealant Patches

- Pre-cut patches apply quickly and easily
- Self-fusing rubber-based insulating mastic
- Moisture proofs connections
- Adds strain relief to splices
- Tough vinyl backing provides protection against abrasion and road grime
- INSTRUCTIONS: 1.Remove liner
2. Position connector in center of pad
3. Press the pad closed and squeeze ends to ensure complete seal.

Part No.	Size	Max Volts
0031432	2-1/2" X 2-1/2"	300/MIL
0031433	2-1/2" X 10'	300/MIL




Silicone Dielectric Grease

Part Number	Size
5140212	3 oz.



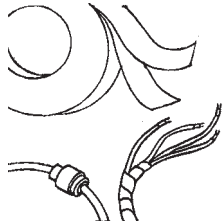
Insul-wrap Fusion Repair Tape

- Heavy-duty self-fusing silicone tape cures within 24 hours at room temperature to form a permanent, one-piece insulator
- Special triangular guide line facilitates wrapping, cuts taping time
- Insul-wrap is not tacky and will not bond to other surfaces
- Wide Temperature Range -60°C TO 200°C
- Dielectric strength 400 volts/mil (20 mil thickness)
- To use, remove plastic backing and wrap under tension following guide line.

Part Number	Size	Color	
1530022	1" X 30'	Orange	


Insul-bond Rubber Electrical Tape

- High quality unvulcanized rubber compound suitable for insulation of joints in electrical wires and cables
- Can withstand 450% elongation before breakage occurs
- Dielectric strength 450 volts/MIL
- Tensile strength 325 psi
- UL Approved, meets SPEC. HH-T-111C, D-119-59T
- To use remove blue plastic liner and wrap under tension 50% with an overlap


Part Number	Size	Color	
1530023	3/4" X 22'	Grey	

Self Fusing Tape

- Linerless rubber (EPR) insulating tape
- Provides immediate moisture seal and void free buildups
- Can be used for low and high voltage applications to 69kV


Part Number	Size	Color	
0031425	3/4" X 15'	Black	

Vinyl Electrical Tape


Part Number	Size	Description	
0030911	3/4" x 66'	<ul style="list-style-type: none"> Resistant to water, oils and corrosive chemicals Pressure sensitive....grips fast, sticks tight 7 mils thick, high dielectric strength: 1000 volts min 	

Vinyl Color Coding Tape


- Resistant to water, oils and corrosive chemicals
- Pressure sensitive....grips fast, sticks tight
- 7 mils thick, high dielectric strength: 1000 volts min

Part Number	Size	Color	Part Number	Size	Color	
0039001	3/4" x 66'	Blue	0039006	3/4" x 66'	Red	
0039002	3/4" x 66'	Brown	0039007	3/4" x 66'	Violet	
0039003	3/4" x 66'	Gray	0039008	3/4" x 66'	White	
0039004	3/4" x 66'	Green	0039009	3/4" x 66'	Yellow	
0039005	3/4" x 66'	Orange	0039010	9 Rolls Assorted Colors		

Super 33+ Vinyl Electrical Tape

Part Number	Size	Description	
0030933	3/4" x 44' (10/box)	<ul style="list-style-type: none"> Premium grade vinyl, 7 mils thick, stickier, stretchier and highly conformable, flame retardant, hot and cold weather resistant Resists UV rays, abrasion, moisture, acids and corrosive chemicals High dielectric strength: 600 volts. Cable splices and wire splices up to 1kV Meets ASTM D-3005 Type 1, UL 510, HHI-595C and CSA C22.2 	
0030934	3/4" x 66' (10/box)		


Scotchkote Electrical Coating

Part Number	Size	Description	
0032100	15 oz. Can with Brush in Cap	<ul style="list-style-type: none"> Provides a tough, oil resistant outer seal on electrical insulation subjected to abnormal weathering, oil or moisture conditions, such as splices in manholes, underwater cables, etc. 	

Heat Shrink Tubing - Color Coded

- Waterproof adhesive seal protects electrical connections from deterioration caused by hot oils, gasoline, dust, solvents, moisture, road salts, and most chemicals.
- Dual wall meltable liner.
- Easy to apply; heat splice with heat gun or blazer torch until tubing recovers and adhesive flows.


Part No.	Wire Gauge	Color	Length
0031450	22-18	RED	6"
0031451	16-14	BLUE	6"
0031452	12-10	YELLOW	6"



Sealform Heat Shrinkable Tubing

- Dual wall flame-retardant polyolefin, includes internal thermoplastic adhesive/sealant
- When heated tubing will shrink to 33% of supplied diameter (3:1) forcing melted adhesive to flow and seal the connection.
- Sealform provides excellent strain relief and is a superb insulator and environmental seal, resistant to salt water, automotive fluids and corrosive chemicals


Part Number	Expanded ID	Color	Suggested Wire Size Range (AWG)	Supplied Length
0031374	1/8	Brown	26 to 22	6"
0031375	3/16	Gray	20 to 12	6"
0031376	1/4	White	16 to 10	6"
0031377	3/8	Red	12 to 8	6"
0031378	1/2	Blue	8 to 4	6"
0031379	3/4	Yellow	2 to 1/0	6"



Heat Shrink Tubing Thin Wall

- Multi- purpose polyolefin compound
- Resists wide range of chemicals, oils, sunlight, moisture
- 2 to 1 shrink ratio
- UL Approved standard 224 - mil-i-23053b/5
- Applications : insulation, wire marking, strain relief, bundling

Size	Expanded I.D.	Recovered I.D.	Length	PART NUMBER
1/8	1/8	1/16	25'	0031380
3/16	3/16	3/32	25'	0031381
1/4	1/4	1/8	25'	0031382
1/2	1/2	1/4	25'	0031383
3/4	3/4	3/8	25'	0031384
1	1"	1/2	25'	0031385



Heat Shrink Tubing Heavy Wall With Sealant

- Tough cross linked polyolefin protects against abrasion and corrosion
- Provides superior strain relief and resistance to vibration
- Sealant is activated by heat (2750°F) while the tubing is being shrunk
- High shrink ratio (3 to 1)
- UL Approved

Wire Range	Expanded I.D.	Recovered I.D.	Length	Color	Part Number
18-14 Ga	5/16	1/8	6"	Black	0031426
18-14 Ga	5/16	1/8	6"	Red	0032426
8-1 Ga	3/4	1/4	6"	Black	0031419
8-1 Ga	3/4	1/4	6"	Red	0032419
2-4/0	1	3/8	6"	Black	0031420
2-4/0	1	3/8	6"	Red	0032420
4/0-400	1-1/2	1/2	6"	Black	0031427



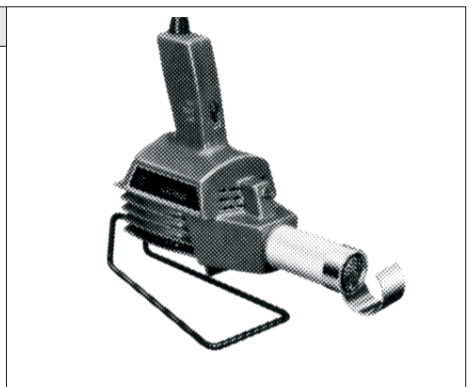
Micro- Jet Torch

Part Number	Description
0031904	<ul style="list-style-type: none"> • Piezo electronic self-starting ignition system with safety lock • Wind proof flame and waterproof ignition system perfect for outdoor use • Flame temperature to 2400°F • Rechargeable butane lighter fuel cell • Ideal for electronic, plumbing, automotive, soldering applications



Heat Gun

Part Number	Description
0032000	<ul style="list-style-type: none"> • Designed for electrical and electronic bench work • Use to shrink tubing, melt solder preforms, activate & cure adhesives • Brushless shaded pole continuous duty motor • High impact plastic housing • 3-Wire grounded cord set • Draws only 4.5 AMPS maximum



Cross-link Polyethylene Primary Wire

- Single conductor, stranded copper wire with thickwall insulation
- For automotive use meets SAE J1128-TYPE SXL
- Thermoset insulation provides outstanding durability and abrasion resistance, withstands temperatures up to 350°F, without melting or fusing
- Resistant to moisture, grease, oil, acid and most solvents



WIRE GAUGE	LENGTH	BLACK	RED	WHITE	YELLOW	BLUE	BROWN	GREEN
18	100'	0030201	0030202	0030203		0030204	0030239	0030218
16	100'	0030228	0030229	0030231	0030226	0030227	0030240	0030216
14	100'	0030220	0030222	0030225	0030223	0030219	0030241	0030221
12	100'	0030234	0030235	0030236	0030232	0030233	0030242	0030212
10	100'	0030237	0030238	0030205		0030206	0030243	0030209

General Purpose Primary Wire

- Single conductor annealed copper strands, thermoplastic insulated wire
- Meets SAE J1128-TYPE GPT
- Highly resistant to grease, oils, acids, and diesel fumes
- Insulation operates satisfactorily between -30° F and 250° F
- Smooth surface makes this wire easy to pull through loom or conduit




WIRE GAUGE	LENGTH	BLACK	RED	WHITE	YELLOW	BLUE	BROWN	GREEN
18	100'	0030129	0030131	0030111	0030112	0030128	0030113	0030130
16	100'	0030133	0030135	0030138	0030136	0030132	0030137	0030134
14	100'	0030140	0030142	0030145	0030143	0030139	0030144	0030141
12	100'	0030147	0030149	0030152	0030146	0030148	0030150	0030151
10	100'	0030109	0030155	0030157	0030153	0030154	0030156	0030158
8	100'	0030106	0030108					

WIRE GAUGE	LENGTH	BLACK	RED	WHITE	YELLOW	BLUE	BROWN	GREEN
14	1000'	0030168	0030170	0030173	0030171	0030167	0030172	0030169
16	1000'	0030160	0030162	0030165	0030163	0030159	0030164	0030161

Flat Two Conductor Parallel Wire

- Two plastic primary wires laid parallel and covered with a heavy duty extruded oblong pvc gray jacket
- Recommended for trucks, buses, tractors, and light duty boats
- Resists acid, flame, oil, and moisture


Part Number	Conductor Gauge	Color
0030127	16/2	Black - White
0030125	14/2	Black - White
0030123	12/2	Black - White
0030121	10/2	Black - White



Flat Ribbon

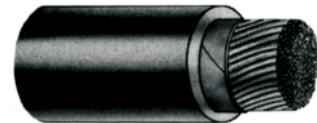
- Conductors are bonded together for easier installation and handling
- Manufactured with SAE J1128 TYPE GPT wire

Part Number	Conductor Gauge	Color
0030301	16/3	Black - White - Red
0030302	14/3	Black - White - Red
0030303	16/4	Brown - Red - White - Green
0030304	14/4	Brown - Red - White - Green

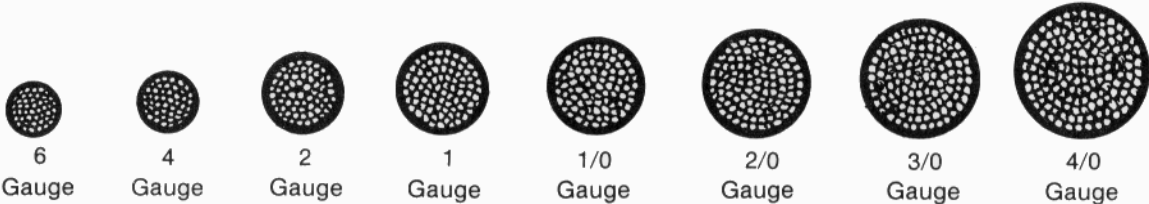


Battery Cable

- Soft annealed stranded copper conductors
- Durable thermoplastic jacket keeps cable flexible at low temperatures
- Resists abrasion, ozone, oil, and road salts
- Meets all applicable requirements of SAE J-1127 TYPE SCT



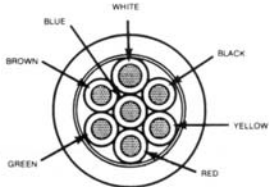
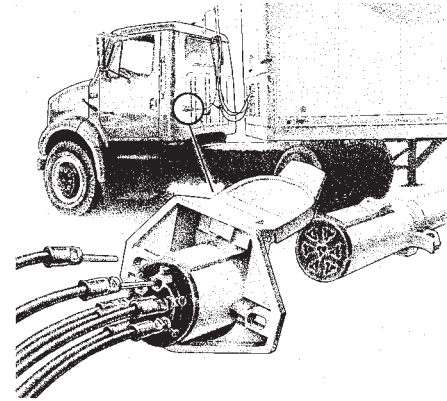
Black Part Number	Red Part Number	Gauge	Voltage	Application
0030530	0030535	#6	12	Golf Carts - Marine
0030529	0030534	#4	12	Automotive
0030523	0030522	#2	6/12	Automotive - Light Trucks
0030521	0030520	#1	6/12/24	Farm - School Bus - Trucks To 10 Ton
0030525	0030524	1/0	6/12/24	Med. Duty Trucks - Tractors - Construct Equip
0030526	0030531	2/0	6/12/24	Heavy Duty Trucks
0030527	0030532	3/0	6/12/24	Tractors
0030528	0030533	4/0	6/12/24	Construction Equipment



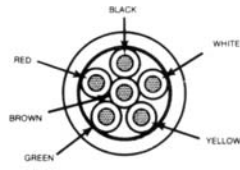
Multiple Conductor Truck Trailer Cable

ATA COLOR CODE FOR 7- CONDUCTOR CABLE

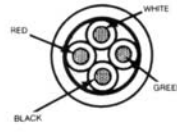
- white - ground return to towing vehicle
- black- icc required marker and clearance light
- yellow - left hand directional signal
- red - stoplights
- green - right hand directional signal
- brown - tail lamps, 3 bar marker lamps
- blue - auxiliary



Seven-Way Conductor



Six-Way Conductor

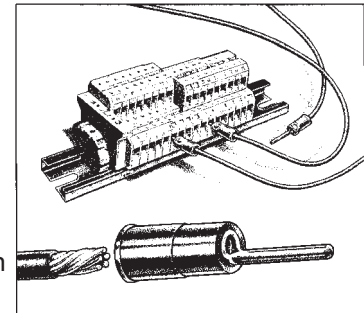


Four-Way Conductor

Part Number	Conductors	Wire Gauge
0030557	7	6-12 Gauge, 1-10 Gauge
0030559	6	14 Gauge
0030558	4	14 Gauge

Pin Connectors

- Improves conductivity
- Eliminates crushed splayed wires
- Provides strain relief, resists vibration
- Funnel entry nylon-insulated with insulation grip
- Pin connectors provide excellent mechanical and electrical performance when secured under a set screw or pressure pad in terminal blocks



Part Number	Wire Range	Color
0036007	16-14	Blue
0036008	12-10	Yellow

7-Way Plug

- Meets or exceeds all ATA AND SAE (J560b) standards
- Wiring color codes are molded into the plug
- Floating pins for ease of alignment
- Jumbo finger pull grips and two hang up holes

Part Number	Description
0036014	Standard 7 Way Zinc Die-Cast
0036020	Plug Replacement Interior
0036022	Cable Guard



7-Way Socket

- Meets and exceeds all rigid anti-skid standards
- Self grounding
- Optimum slant mount and drain slot

Part Number	Description
0036016	Standard 7 Way Zinc Die-Cast
0036019	Replacement Socket Interior



6-Way Connectors

- 12-24 Volts, 35 Amp
- Compact socket design with exposed terminals
- High impact cyclolac interiors
- Zinc die-cast housing with integral finger grips

Part Number	Description
0036011	6 - Way Plug Zinc Die-Cast
0036012	Plug Replacement Interior
0036022	Cable Guard
0036010	6 - Way Socket Zinc Die-Cast
0036013	Replacement Socket Interior



4-Way Connectors

Part Number	Description
0036006	4 - Way Plug Zinc Die-Cast
0036003	Plug Replacement Interior
0036022	Cable Guard
0036005	4 - Way Socket Zinc Die-Cast
0036004	Replacement Socket Interior



Battery Terminals & Lugs

- One piece cast copper construction
- All terminals are electroplated with tin twice industry standards
- 25 to 40% higher yoke gives greater contact with battery post
- 5/16 battery bolts and shoulder nuts included with all clamps
- Uniform wall thickness
- Cable size and polarity are imprinted on terminals
- Tool die color printed on terminal to simplify identification

Part Number	Cable Size	Post Type	Color Code
0037100	6-4	Universal	Grey
0037103	2	Straight Pos	Green
0037104	2	Straight Neg	Green
0037101	1	Straight Pos	Pink
0037102	1	Straight Neg	Pink
0030420	1/0	Straight Pos	Black
0030431	1/0	Straight Neg	Black
0030490	2/0	Straight Pos	Orange
0030492	2/0	Straight Neg	Orange
0030491	3/0	Straight Pos	Purple
0030493	3/0	Straight Neg	Purple



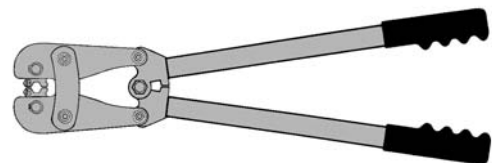
Flag Barrel Terminals

Part Number	Cable Size	Post Type	Color Code
0030449	1/0	Flag Pos	Black
0030448	1/0	Flag Neg	Black
0030494	2/0	Flag Pos	Orange
0030496	2/0	Flag Neg	Orange
0030495	3/0	Flag Pos	Purple
0030497	3/0	Flag Neg	Purple



Crimping Tool

PART NUMBER	Description
0030500	<ul style="list-style-type: none"> • Heavy duty double compound action head crimps terminals 8 ga to 6/0 • Easy rotating permanently attached crimping dies • Heavy duty aluminum handles with cushioned grips



Butt Connectors

- Fully annealed tin plated copper
- Seamless butt connectors have flared ends
- AWG wire gauge identifications are stamped into barrel


Part Number	Cable Size	Color Code
0037010	6	Grey
0037011	4	Grey
0037012	2	Green
0037013	1	Pink
0030450	1/0	Black
0030451	2/0	Orange
0030452	3/0	Purple
0037017	4/0	Yellow



Copper Lugs

- Fully annealed electrolytic copper construction
- Unique flared barrel design eliminates wire strand hang -ups
- (AWG) wire gauge identifications are marked on barrels

Part Number	Cable Size	Stud Size
0037000	6	1/4
0037001	4	1/4
0037020	4	5/16
0037021	2	5/16
0037002	2	3/8
0037022	1	5/16
0037003	1	3/8
0037004	1/0	3/8
0037005	1/0	1/2
0037006	2/0	3/8
0037007	2/0	1/2
0037008	3/0	1/2
0037009	4/0	1/2



Heavy Wall Lugs

- 100% copper, tin plated for corrosion resistance
- Color code, letter code and cable size stamped on every lug

Part Number	Cable Size	Stud Size	Color Code
0030432	6	1/4	Grey
0030433	6	5/16	Grey
0030434	6	3/8	Grey
0030435	4	1/4	Grey
0030436	4	5/16	Grey
0030437	4	3/8	Grey
0030441	1 & 2	5/16	Pink
0030439	1 & 2	3/8	Pink
0030443	1/0	5/16	Black
0030440	1/0	3/8	Black
0030442	2/0	3/8	Orange
0030498	2/0	1/2	Orange
0030444	3/0	3/8	Purple
0030499	3/0	1/2	Purple



Stud/Side Terminal Lugs

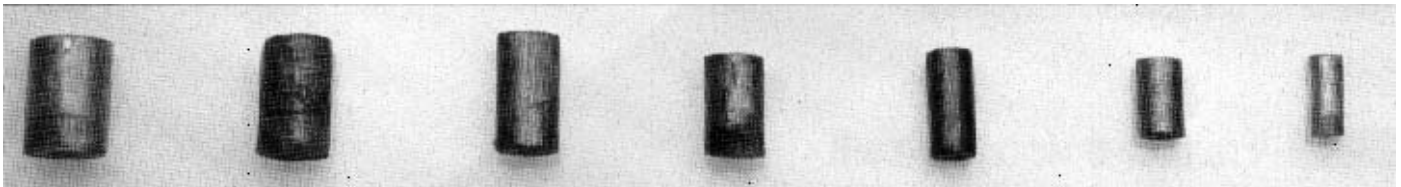
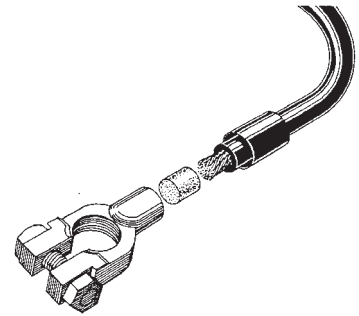
- Strong cast copper lugs
- Stackable for multiple battery hookups
- Anti-rotation design lock in 24 positions when stacked

Part Number	Cable Size	Stud Size	Color Code
0030415	1/0	3/8	Black
0030416	2/0	3/8	Orange
0030417	3/0	3/8	Purple
0030418	4/0	3/8	Yellow



Battery Slugs

Part No	Slug Size	Color
0037030	4 gauge	grey
0037031	2 gauge	green
0037032	1 gauge	pink
0037033	1/0 gauge	black
0037034	2/0 gauge	orange
0037035	3/0 gauge	purple
0037036	4/0 gauge	yellow
0037037	Flux	2 ounce drop bottle



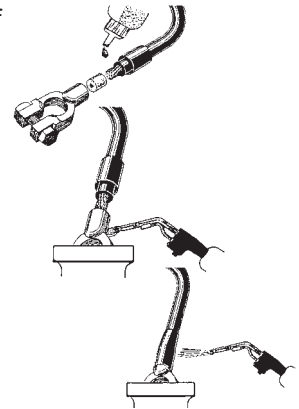
INSTALLATION

Strip the proper size cable so that the exposed cable will reach all the way to the bottom of the battery terminal and the cable insulation fits snugly against the top.

Place the proper size solder slug into the terminal. Secure the battery terminal in a vise. Slide the proper size heat shrinkable tubing over the cable. Apply several drops of Flux to the exposed cable. Insert the exposed cable into the terminal.

Ignite the propane torch, and heat the base of the battery terminal while applying gentle downward pressure on the cable. Allow the cable to slide into the terminal until the insulation is snug against the top of the terminal.

Slide the heat shrinkable tubing over the connection and apply in direct heat to the tubing.



Economy Crimping Tool

Part Number	Description
0030501	<ul style="list-style-type: none"> • Hammer type tool accepts 8 gage - 4/0 gage uninsulated terminals, butt connectors, battery terminals and lugs • Crimping guide is imprinted in anvil • Heavy duty steel construction



Copper Cable Cutter

Part Number	Description
0030502	<ul style="list-style-type: none"> • Will cut up to 350 MCM copper stranded electrical cable • Durable machined steel blades • 13" long handles with rubber grips




BATTERY




Heavy Duty Lead Truck Battery Terminals

- Die cast from antimonial reinforced lead
- Straps, nuts, and bolts are zinc plated steel
- Clamps securely on cable


Part Number	Wire Size	Description	
0030870	1 - 4/0 GA	Straight	

3-Way Lead Truck Battery Terminal


- 3-way feature helps eliminate cable bends
- Lead construction with zinc plated steel bolts and nuts

Part Number	Wire Size	Description	
0030803	1 - 2/0 GA	Universal	

Universal Emergency Lead Terminals


Part Number	Wire Size	Description	
0030804	6 - 2/0 GA	Top Post	
0030875	6 - 2/0 GA	Side Post	

Marine Or Wing Nut Lead Terminal

Part Number	Post Size	
0030862	5/16	

Military Low Profile Terminal

- Solid lead alloy with steel reinforced ring cast inside clamp
- All bolts and nuts lead plated
- Extra long 3/8" x 2-1/2" bolt connect with copper battery lugs

Part Number	Description	Military Spec	
0030876	Positive	MS75004-1	
0030877	Negative	MS75004-2	

Top Post To Side Mount Cable Adapter

Part Number	Type	Description	
0030867	Positive	<ul style="list-style-type: none"> Converts top post battery for use with side terminal cables All lead construction threaded for 3/8" side terminals Includes 5/16" hex nut and bolt 	
0030869	Negative		

Side Mount Post Adapters

Part Number	Description	
0030872	<ul style="list-style-type: none"> 1 Positive/1 Negative Charging post adapters for side terminal battery Lead terminals with 3/8" plated steel stud 	

Stud To Post Conversion

Part Number	Description	
0030898	<ul style="list-style-type: none"> 1 Positive/1 Negative Changes the existing 3/8" threaded stud to a standard SAE taper post 	

Metal Post And Terminal Cleaner



Part Number	Description	
0030829	<ul style="list-style-type: none"> Rust resistant stainless steel brush Includes protective brush cover 	

Anti-corrosion Felt Ring

Part Number	Color	Description	
0030821	Red	<ul style="list-style-type: none"> Chemically treated to give extra life to battery terminals 	
003822	Black		

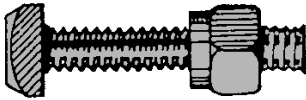
Replacement Side Terminal Bolts

- Fully threaded, bright zinc plated steel bolt
- Recessed groove permits attachment of battery charger or jumper cables

Part Number	Description	
0030801	OEM Bolt	
0030802	Extended Knurled Bolt	

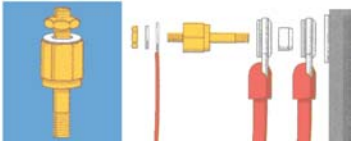
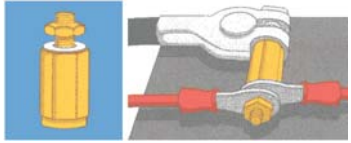
Replacement Bolts / Nuts

- Fully threaded, plated to resist corrosion

Part Number	Description	
0030823	5/16 X 1-1/4 square head bolt & hex nut	
0030900	5/16 X 1-1/4 square head bolt & shoulder nut	


Adapter Bolts and Nuts

- Precision machined from solid brass, includes zinc plated steel nut and washer
- Connects power accessories directly to battery

Part Number	Description	Size	
0030812	Adapter bolt, side terminal accessory post for double power lead	3/8-16 x 1" Accessory Stud: 5/16-18 x 1/2"	
0030813	Adapter nut, top terminal accessory post	5/16-18 x 15/16" Accessory Stud: 5/16-18 x 3/4"	

J-Hook Hold Down Bolts

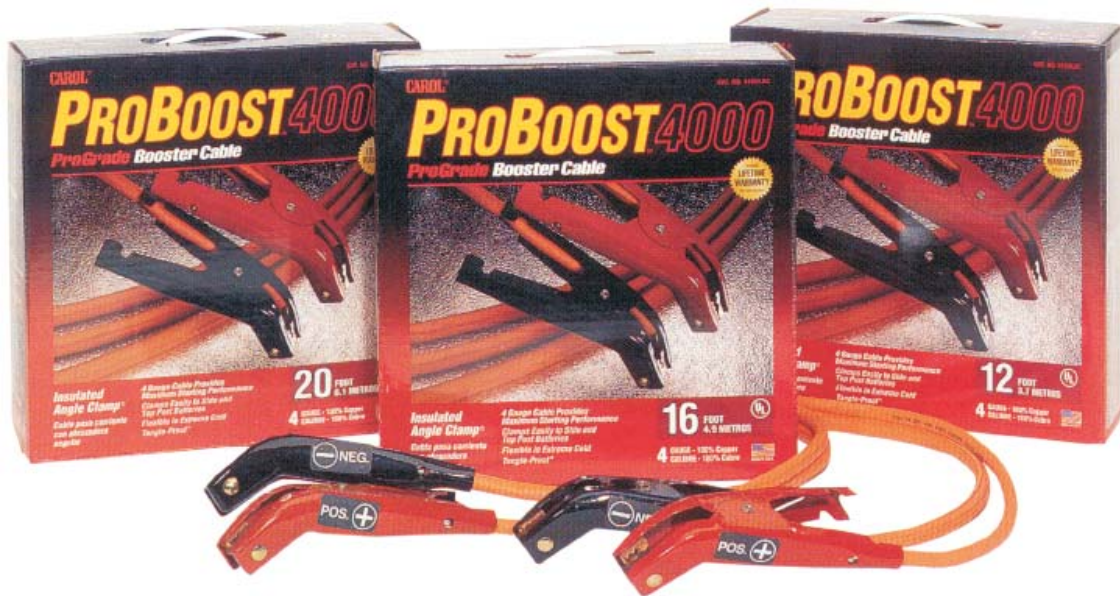
- Plated rods include new rubber bushings and wing nuts

Part Number	Dia.	Length	
0030908	5/16"	8"	
0030906	5/16"	10"	

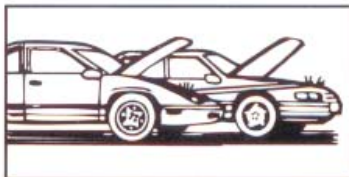
Tangle-free Battery Booster Cables

- Fine-stranded all -copper conductors with rubber jacket insure maximum flexibility at sub-zero temperatures.
- The twin line construction keeps cables tangle-free.
- Heavy duty cables provide quick sure starts.

Part No	Length	Gauge	Type	Clamp Amps	Clamp Type
0035999	16ft	6	Rubber	400	Slim Clamp
0036001	12ft	4	Rubber	500	Angle Clamp
0036002	20ft	4	Rubber	500	Angle Clamp
Replacement Jaws					
0036000	Fits 4 & 6Gauge			400	Vinyl Clad
0036009	Fits 2 & 4Gauge			500	Epoxy Coated

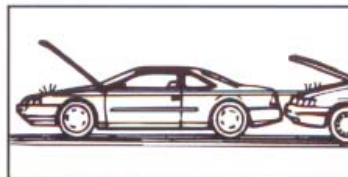


Select The Right Length



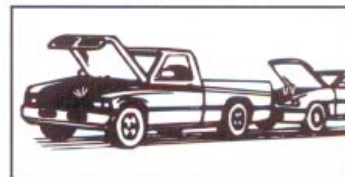
12 ft

Side-to-side or front-to-front hookups



16 ft

Back-to-front hookup for freeway safety



20 ft

Back-to-front hookup for use with trucks, boats, campers, vans & recreational vehicles


TEST CLIPS



Test Clips

- Cadmium plated steel
- Interlocking necks prevent jaw-offset
- Copper shunt gives spring complete protection


Part No	Amps	Jaw Opening	Spring
0030816	10	9/16	10 lb
0030818	50	1-3/8	33 lb




Alligator Clips

- Cadmium plated steel
- Screw connection

Part No	Description
0030815	Uninsulated



Part No	Description
0030826	Red Insulator
0030827	Black Insulator



Split Convoluted Tubing

- Flexible black polyethylene tubing holds wires in position and protects wires from abrasion and crushing
- Tubing is split for easy wire insertion
- Operating temperature -30^o F TO 200^o F

Part No	ID	Length
0030684	1/4	100 ' Coil
0030686	3/8	100 ' Coil
0030688	1/2	100 ' Coil
0030689	5/8	100 ' Coil
0030692	3/4	100 ' Coil
0030693	1"	100 ' Coil



Wire And Cable Loom

- Flexible non-metallic asphalt impregnated
- Protects wire and cables from abrasion; protects, brake / oil / fuel lines, from hot exhaust manifolds
- Moisture and acid resistant SAE SPEC: J-562

Part No	ID	Length
0030683	3/16	100 ' Coil
0030685	5/16	100 ' Coil
0030687	7/16	100 ' Coil



Nylon Spiral Wrap

- Bundles wires, cables, or hoses firmly in place
- Allows lead- outs at any point, wires can be re-routed after spiral wrap has been installed
- Resists abrasion, solvents, acid and alkalies

Part No	ID	Max Bundle Range	Spool Length
0031340	1/4	3/16 to 1"	100 ft
0031341	3/8	1/4 to 2"	100 ft
0031342	1/2	3/8 to 3"	100 ft



Clear Plastic Tubing

- Flexible, not brittle in cold weather
- Complies with ICC regulation 193.28
- Resistant to weather and petrochemicals

Part No	ID	OD	Spool Length
1280041	3/16	1/4	100 ft
1280051	1/4	5/16	100 ft
1280061	1/4	3/8	100 ft
1280081	3/8	1/2	25 ft
1280101	1/2	5/8	25 ft



GROMMETS



Open Nylon Grommet

- Eliminates wire abrasion caused by metal panel cutouts

Part No	Mounting Hole Dia	Inside Diameter	Head Diameter	Overall Height	Panel Thickness
0038606	3/8	1/4	15/32	13/32	1/8
0038608	1/2	3/8	37/64	13/32	1/8
0038614	7/8	11/16	61/64	29/64	1/8



Rubber Grommets

- Provide protection for primary wire and multiple conductor cables


Part Number	Inside Diameter	Groove Diameter	Outside Diameter	Overall Thickness	Groove Width
0038503	3/16	5/16	7/16	3/16	1/16
0038504	1/4	3/8	1/2	7/32	1/16
0038515	5/16	7/16	9/16	3/16	1/16
0038505	5/16	9/16	13/16	5/16	1/16
0038526	3/8	1/2	5/8	1/4	1/16
0038506	3/8	5/8	7/8	5/16	1/16
0038507	7/16	9/16	3/4	1/4	1/16
0038508	1/2	13/16	1-1/16	5/16	1/16
0038509	9/16	13/16	1-1/16	5/16	1/16
0038510	5/8	7/8	1-1/8	5/16	1/16
0038512	3/4	7/8	1-1/8	9/32	1/16
0038514	7/8	1-1/4	1-5/8	7/16	1/16
0038516	1	1-3/8	1-3/4	7/16	1/16



Insulated Loom Clamps

- For electrical wire or cable retention, wire harness, brake, tubing and hydraulic lines
- Made of zinc plated steel for strength and corrosion resistance
- Removable plastic cushion protects against abrasion and provides electrical insulation
- Mounting hole is 17/64" for 1/4" screws or bolts


Part No	Closed ID	Mounting OD	
		Min.	Max
0030394	1/4	3/16	1/4
0030396	3/8	1/4	3/8
0030398	1/2	3/8	1/2
0033910	5/8	1/2	5/8
0033912	3/4	5/8	3/4
0033916	1	3/4	1
0033921	1-1/4	1-1/8	1-1/4



Vinyl-Coated Steel Clamps

- Made of unbreakable steel
- Heavy vinyl coating for resistance to corrosion
- 1/4" Standard hole size

Part No	Closed ID	Mounting OD	
		Min.	Max
0033941	1/4	3/16	1/4
0033961	3/8	1/4	3/8
0033981	1/2	3/8	1/2
0033982	5/8	1/2	5/8



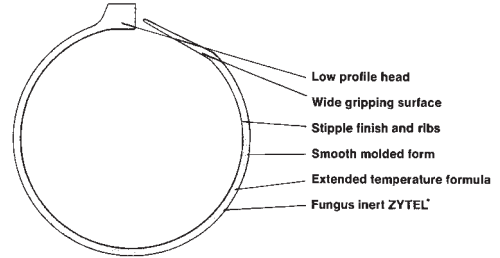
Body Clips

- Ideal for holding primary wire to truck frame
- Made from heat treated spring steel with a black corrosion resistant finish

Part No	Size	
0031349	Small	
0031348	Medium	
0033758	Large	

Ty Rap Cable Ties

- Corrosion resistant stainless steel lock - maintains the right tension
- Infinitely adjustable design - always the right size
- Smooth molded body - no notches cut into the tie that can weaken the tie, won't cut into cable insulation
- Low profile head - looks good won't snag
- Easy to install - won't slip mechanic's grip
- Ribbed and stippled back - won't slip on bundle



Miniature / Intermediate Cable Ties

Part Number Clear	Part Number Black	Length	Width	Bundle Diameter	Loop Tensile	
0031304	0031392	3.6"	.100	1/16-7/8"	30 lb.	
0031305	0031393	5.57"	.140	1/16-1-1/4"	30 lb	

Standard Cable Ties

Part Number Clear	Part Number Black	Length	Width	Bundle Diameter	Loop Tensile	
0031386	0031394	7.34"	.184	1/16 - 1-3/4"	50 lb	
0031387	0031395	11.4"	.140	1/16 - 3"	50 lb	
0031388	0031396	14.3"	.184	1/16 - 4"	50 lb	

Heavy Duty Ties

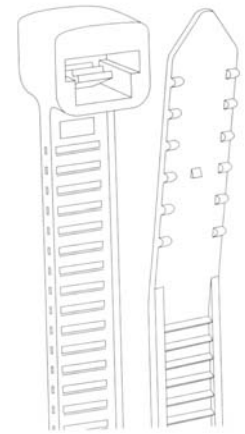
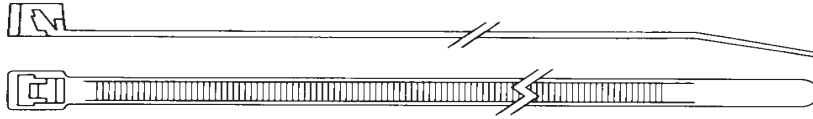
Part Number Clear	Part Number Black	Length	Width	Bundle Diameter	Loop Tensile	
0031303	0031397	14"	.270	3/16 - 3-1/2"	120 lb	

Mounting Ties

Part Number Clear	Part Number Black	Length	Mounting Hole Dia	Width	Bundle Diameter	Loop Tensile	
0031307	0031398	7.75	#10	.184	1/16 - 1-3/4"	50 lb	
	0031306	14"	#10	.184	1/16 - 4"	50 lb	
0031391		14"	1/4	.184	3/16 - 3-3/12"	120 lb	

Ty-fast Self Locking Cable Ties

- The economical way to secure
- One-piece all nylon 6/6 construction
- Curved tip with finger grips for easier insertion and to assist in pulling cable ties tight
- Meets all applicable military specifications



Miniature / Intermediate Cable Ties

Part Number	Length	Width	Color	Bundle Diameter	Loop Tensile
0031355	3.6"	.100	Clear	1/16 - 7/8"	18 lb.
0031356	5.57"	.140	Clear	1/16 - 1-1/4"	18 lb
0031365	3.6"	.100	Black	1/16 - 7/8"	18 lb
0031366	5.57"	.140	Black	1/16 - 1-1/4"	18 lb

Standard Cable Ties

Part Number	Length	Width	Color	Bundle Diameter	Loop Tensile
0031357	7.34"	.184	Clear	1/16 - 1-3/4"	50 lb
0031358	11.4"	.140	Clear	1/16 - 3"	50 lb
0031359	14.3"	.184	Clear	1/16 - 4"	50 lb
0031367	7.34"	.184	Black	1/16 - 1-3/4"	50 lb
0031368	11.4"	.140	Black	1/16 - 3"	50 lb
0031369	14.3"	.184	Black	1/16 - 4"	50 lb

Heavy Duty Ties

Part Number	Length	Width	Color	Bundle Diameter	Loop Tensile
0031371	14"	.300	Black	3/16 - 4-1/16"	120 lb
0031372	24"	.340	Black	3/16 - 7-3/16"	175 lb
0031373	36"	.340	Black	3/16 - 11"	175 lb

Cable Tie Assortment Pack

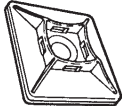
- Contains 3 of the most popular sizes; 3" (200), 7" (100) and 11" (100) ties
- Ties are made of 6/6 nylon for maximum strength and flexibility
- Notched for easy pre-tightening assembly
- Available in clear or UV resistant black
- Refillable compartments stay closed to prevent spillage

Part Number	Color
0031360	Clear
0031370	Black



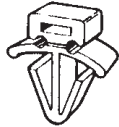
Four Way Mounting Base

- Four way adhesive mounting base
- Use with standard intermediate and miniature cable ties
- May be screw mounted with # 8 screw

Part No	Size	Color	
0036290	1-1/8 x 1-1/8	Natural	

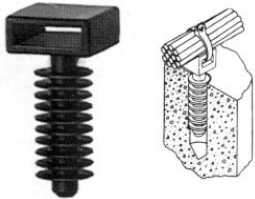
Push-Mount Base

- Snaps into any standard 1/4" predrilled hole
- Stays in place if cable tie must be removed for rewiring
- Low profile for areas of limited space

Part No	Max Tie Size	Max Load	Panel Thickness	
0036293	.184	50 lbs.	7/64	

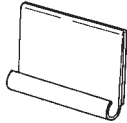
Masonry and Brick Mounting Base

- Made of special impact resistant black nylon
- Not affected by ultraviolet light
- No adhesives or epoxy required

Part No	Max Tie Size	Hole in Masonry	
0036291	.500	3/8"	

Adhesive Cable Clips

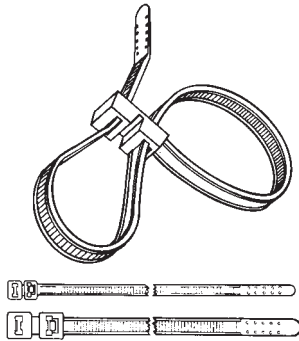
- Hold wire or cable in place backed with foam adhesive
- Supports cable vertically or horizontally

Part No	Max Cable OD	Clip Length	Color	
0036156	1/4	1"	Gray	
0036157	5/16	1-3/4"	Gray	
0036158	3/8	2"	Gray	

Double Loop Cable Ties

- Two heads allow double looping
- Saves time and the cost of an extra tie


Part No	Length	Width	Max Bundle
0031389	15-1/4	3/16	2" x 2"
0031390	15-1/2	5/16	2" x 2"



Releasable Ties

- Reusable one piece design
- Black nylon UV weather resistant


Part No	Length	Width	Tensile	Max Bundle
0031301	5-1/2	9/32	50 lb	1/4" x 1-1/2"
0031302	9-3/4	9/32	50 lb	1/4" x 1-1/2"



Universal Clamp

- Fasten cables, hoses, or tubing to structural frames in seconds
- One- piece design, fast and convenient to use
- Eliminates inventory of wire & loom clips, bolts and nuts-lowers costs
- Locking grooves maintain tight grip

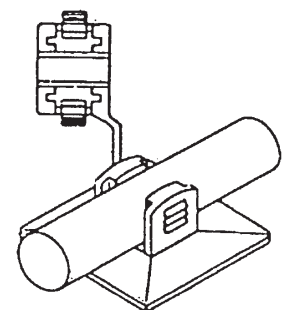
Part No	Clamping Range	Length	Color	Min Tensile
0031308	1/16 to 2-3/8	9-5/8	Black	65 lb



One Piece Mounting Clamp

- Single piece design reduces installation time
- Top cover uses unique fully adjustable ratchet design
- Made of light weight nylon classified to UL 94V-2 flammability rating
- Combined screw or pressure sensitive adhesive mount, uses #8 screw

Part No	Max Clamping Thickness	Min Clamping Thickness	Max Height
0036294	13/64"	29/64"	7/8




Circuit Breakers

Amps	Part Number	Type	Reset	
10	5120025	Tong Style Glass Fuse Replacement	Automatic	
20	5120026			
30	5120027			
20	5120028	Plug-in Style ATO/ATC Replacement	Automatic	
30	5120029			
15	5120005	Post Style Standard	Automatic	
20	5120006			
30	5120007			
40	5120008			
20	5120030	Post Style Horizontal Mounting Strip		
30	5120031			
40	5120032			
10	5120009	Snap-In Glass Style Fuses	Automatic	
15	5120010			
20	5120011			
30	5120012			
10	0035801	Plug-in Style Mini Fuses	Automatic	
15	0035802			
20	0035803			
25	0035804			
10	0035805	Plug-in Style ATC Fuses	Automatic	
15	0035806			
20	0035807			
25	0035808			
30	0035809			
10	0035810	Plug-in Style Maxi Fuses	Automatic	
15	0035811			
20	0035812			
25	0035813			
30	0035814			

ATC / ATO Fuses

- Color coded for quick identification


Amps	Color	Part No.
3	Violet	0035027
4	Pink	0035028
5	Tan	0035029
7-1/2	Brown	0035030
10	Red	0035031
15	Blue	0035032
20	Yellow	0035022
25	Clear	0035025
30	Green	0035026



Mini-Fuse

- Color coded for quick identification


Amps	Color	Part No.
3	Violet	0035627
4	Pink	0035628
5	Tan	0035629
7-1/2	Brown	0035630
10	Red	0035631
15	Blue	0035632
20	Yellow	0035622
25	Clear	0035625
30	Green	0035626



Maxi-Fuse

- Color coded for quick identification

Amps	Color	Part No.
20	Yellow	0035720
30	Green	0035730
40	Orange	0035740
50	Red	0035750
60	Lt Blue	0035760
70	Amber	0035770
80	Clear	0035780



Glo-lite Fuses

Is the fuse good? Are you SURE? Not unless you remove it and look, or get the multi meter out. These fuses allow you to know at a glance, literally, if the fuse is good or if it's not . There's no mistakes or guess work, when the LED in the head of the fuse is lit up, that fuse no longer has a circuit through it.



Day or Night when a fuse blows the Glo-lite Fuse indicates immediately which fuse needs replacing!



- Saves time and effort...locating a blown fuse can be very time consuming with over 100 fuses in newer vehicles
- Eliminates guesswork and testing..makes trouble-shooting a snap, even in the dark! No wasted time looking for additional blown fuses when you thought there was only one.
- Ideal for troublesome circuits where fuses often blow.
- Easy identification of blown fuses in hard to reach locations.
- Color-coded fuses instantly let you know the right amperage of the fuse to be replaced
- Built to exacting OEM specifications.
- Replaces standard fuse styles, available in ATO/ATC, ATM Mini-Fuses
- NOTE: Make certain that the key is in the "on" position to verify that the fuse is blown.

Part No	Style	Amps	Color		Part No	Style	Amps	Color
0035303	ATM	3	Violet		0035403	ATC	3	Violet
0035305	ATM	5	Orange		0035405	ATC	5	Orange
0035307	ATM	7.5	Brown		0035407	ATC	7.5	Brown
0035310	ATM	10	Red		0035410	ATC	10	Red
0035315	ATM	15	Blue		0035415	ATC	15	Blue
0035320	ATM	20	Yellow		0035420	ATC	20	Yellow
0035325	ATM	25	White		0035425	ATC	25	White
0035330	ATM	30	Green		0035430	ATC	30	Green
1930222	ATM GLO-LITE ASSORTMENT (80 PCS)				1930223	ATC GLO-LITE ASSORTMENT (80 PCS)		
1930224	ATC/ATM GLO-LITE ASSORTMENT (160 PCS)							

ATC / ATO Fuse Tap-in

Part Number	Size	Type	
0035505	1/4" Male Tab	ATC	
0035509	1/4" Male Tab	Mini	

ATC/ATO Fuse Block

- Stackable with bolt holes for mounting to stationary object
- Black nylon construction, includes brass terminals

Part Number	Description	
0035506	4 Way Fuse Block	

ATC/ATO Fuse Holders

- Holds blade type fuses from 3-30 AMP
- IN line mounting using lead wires

Part Number	Amps	Color	Lead Wire	
0035507	3-20	Yellow	16 GA	
0035508	3-30	Black	12 GA	


ATC/ATO Fuse Holder

- Self- stripping design requires no wire stripping
- Installs with a common plier
- For use with 18-16-14 gauge wire

Part Number	Amps	Color	
0035500	3-20	Blue	


ATC/ATO Fuse Holders

- Deluxe water tight body with water resistant cap.
- Manufactured with standard 6" GPT wire.

Part Number	Description	
0039642	16 gauge, 10 amp	
0039643	12 gauge, 30 amp	


Mini Fuse Holder (For Mini Fuses)

- Perfect waterproof fuse holder designed for applications where moisture is a problem.
- Cap has positive snap action for tight fit

Part Number	Amps	Lead Wire	
0039640	30 amp, 32 volt max.	4", 12 gauge GPT wire	

Maxi Fuse Holder


- Fire wall mounting hole permits 2 or more holders to be mounted together.
- Cover comes with a removable strap.

Part Number	Amps	Lead Wire	
0039641	20 to 60 amps	5", 6 gauge GPT Wire	

Add- a- Circuit

- Plugs into an existing fuse holder
- Still protects original circuit, but provides an additional wire lead
- Comes with a butt connector installed to wire lead

10 Amp Maximum on new circuit

Part No	Type	
0035510	ATC/ATO ADD-A-CIRCUIT	
0035511	ATM-MINI FUSE ADD-A-CIRCUIT	

FUSES



Glass Fuses

Amps	Part Number					
	AGC	SFE	AGA	AGW	AGX	GBC
1	0035009		0035007			
2	0035010					
3	0035011					
4	0035013	0035001				
5	0035014		0035008			
6		0035002				
7-1/2	0035033	0035003				
8						0035020
9		0035004				
10	0035015					
14		0035005				
15	0035016			0035034		
20	0035017	0035006		0035035	0035021	
25	0035018					
30	0035019	0035012				



SFE 30 (17/16")



SFE 20 (1 1/4")



SFE 14 (1 1/16")



SFE 9 (1")



SFE 7 1/2 (7/8")



SFE 6 (3/4")



SFE 4 (5/8")



AGX 2-30 (1")



AGW 1-35 (7/8")



AGC 1/2-40 (1 1/4")



AGA 1-30 (5/8")

Glass Fuse Clip


- Makes instant connections in fuse block for add-on accessories, CB's, tape decks or radios
- Use in-line fuseholder to protect new accessory

Part Number	Description	
0032635	1/4 " Male Tab	

In-Line Fuse Holders

- Nylon twist lock construction allows easy fuse removal and replacement
- For all AGC fuses to 30 amps and SFE-20


Part Number	Fuse Size	Mounting	Connection
0030722	Universal	In-line	#14 Lead Wire in Loop 15" Length
0035503	1/4 X 1-1/4"	In-line	#12 Lead Wire in Loop 12" Length



Waterproof Fuse Holder

- One piece, molded thermoplastic
- High visibility yellow
- Fuse holder uses sizes 12 to 18 gauge (not included)


Part Number	Rating
0035502	Rated 30 Amps, 32volts



Adjustable Fuse Holder


- Simple lead crimp assembly
- Fuse holder snap locks together for fuse sizes 1/4" diameter x 7/8", 1" , or 1-1/4" length
- Made of high visibility yellow nylon
- For use with 12 through 18 gauge wire (Not included)

Part Number	Rating
0035501	Rated To 30 Amps, 32 Volts



Dual Purpose Fuse Puller

Part Number	Description
0035504	<ul style="list-style-type: none"> • Pulls and installs both blade type fuses and glass type fuses • Durable single piece design






SWITCHES






Heavy Duty Toggle Switches

- 6-24 volt systems, 50 AMP
- Posi-touch 1" long bat handles chrome plated
- Mounting stem 15/32" diameter



Part Number	Function	Description	
5120017	On - Off S.P.S.T	2 Position / 2 Screw Terminals	
5120023	Mom On - Off - Mom On S.P.D.T.	3 Position / 3 Screw Terminals Switch Has Normal Off Position	
5120024	Fused 30 Amp On - Off S.P.S.T Permits Operating 2 Accessories	2 Position / 3 Male Blade Terminals 1/4" Wide	

Regular Service Toggle Switches



- 6 - 24 volt systems, 35 AMP
- U.L. listed at 20 AMP. 125V AC., 10 AMP 250V A.C.
- 15/32" diameter, 3/8" long mounting stem
- Knurled face nut, hex back nut

Part Number	Function	Description	
5120018	On - Off S.P.S.T	2 Position / 2 Screw Terminals	
5120020	On - Off - On S.P.D.T.	3 Position / 3 Screw Terminals	
5120019	On - On S.P.S.T	2 Position / 2 Screw Terminals	


Push Pull Switches

Part Number	Function	Description	
5120001	Off - On S.P.S.T	<ul style="list-style-type: none"> • 2 Position • Extra heavy duty • 6-28 Volt DC operation - 75 AMPS • Heavy duty die-cast body chrome plated knob • Mounting stem 5/8" long x 15/32" diameter 	
5120003	Off - On- On With 15 Amp Fuse	<ul style="list-style-type: none"> • 3 Position • Fused - push pull switch with ivory plastic knob • 12 Volt operation • 1/2" long , 7/16" diameter, 5 terminals 	


Auxiliary Switches

Part Number	Function	Description	
5120013	Off-Hi-Lo	<ul style="list-style-type: none"> • Universal push-pull 3 position, • Heavy duty truck heater switch, • 12 Volt-5 AMPS • 2-speed 3 ohm resistor, 2 screw terminals, bakelite base • Mounting stem 7/16", 5/8" long, ivory plastic handle 	
5120022	Push Type Momentary-On Start Switch	<ul style="list-style-type: none"> • Rated 60 Amps At 12v, 40 Amps At 24v • All silver contacts for superior conductivity • Housing rolled over insulator to seal out moisture, dust • Mounting stem 5/8" long, 5/8" dia. over all length 1-13/16 	

Axle Switches

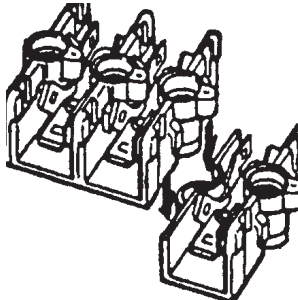
Part Number	Description	
5120015	<ul style="list-style-type: none"> • Two speed heavy duty axle switch • 2 Position both on controls • High and low axle ranges • Die-cast body protected with rubber cover • 3 Female terminals to receive bullet terminals • Large red knob 	

Automatic Terminal Block Switch

Part Number	Description	
5120016	<ul style="list-style-type: none"> • Controls two speed electric axle shift • Fiber insulator base with o'ring assembled to studs 	

Sectional Terminal Block

- Black nylon base six (6) 105° brass male tab terminals
- Sections snap together, no mounting channel required
- #8 or #10 fillister head mounting screw required every 10 blocks
- All tabs conform to NEMA standard DC2-1976 & UL 310
- Terminal block conforms to NEMA standard ICS 4-1977 and UL 1059

Part Number	Tab Size	Rated Voltage	Rated Current	
5120033	1/4"	300	40 AMPS	

Heavy Duty Flashers

- Tested, approved, certified to comply with D.O.T. 108, and SAE specifications
- Variable load design for extra capacity for trailer towing
- Certified for 1 to 6 lamp loads
- Will flash 2 to 3 turn signal lamps - 2 to 6 hazard warning lamps
- Vane type construction requires less installation space

Part No	Description	
0035051	2 terminals 12 volts	
0035052	3 terminals 12 volts	

Heavy Duty Electronic Flashers

- Average life 800 hours - 5,000,000 flashes - based on application and usage
- Load rating: 25 AMP, 1-10 LAMPS, 12 VOLT
- Time to 1st flash: less than 0.75 seconds
- Frequency: 60 to 120 flashes per minute
- Designed to conform to DOT 108, SAE, AAMVA and Title 13 California Highway Patrol
- Compact size for easier installation in tight spaces
- Brass terminals for improved corrosion resistance and better conductivity
- Heavier contacts for 15% longer life
- Heat resistant black thermoplastic base and tinted cover

Part No	Description	
0035053	2 Terminal, 12 Volt Flasher	
0035054	3 Terminal, 12 Volt Flasher	

BATTERIES/FLASHLIGHT



Industrial Grade Batteries

- Alkaline industrial grade batteries provide greater life and more power than zinc-carbon batteries
- Formulated to exceed the every day demands of tough industrial applications
- Quality construction guaranteed against leakage
- Longer storage life, dependable performance

Part No	Description
0039201	"D" Size Cell
0039202	"C" Size Cell
0039203	"AA" Size Cell
0039204	"AAA" Size Cell
0039206	9 Volt
0039207	6 Volt Heavy Duty



Industrial Grade Flashlight

Part Number	Description
0039205	<ul style="list-style-type: none"> • Deep ribbed tube for sure grip • Resists grease oil, corrosion and rough handling • High impact plastic lens • Spare bulb holder • Switch guard • Front and end loading • Ring hanger



Self Adjusting Stripper & Crimper

Pat Number	Description	
0031909	<ul style="list-style-type: none"> Automatically strips wire insulation Wire range 22 to 10 AWG Crimps insulated terminals from 22 -10ga Wire cutter blades cut wire sharp and smooth 	

Terminal Crimping Tool

Part Number	Description	
0031908	<ul style="list-style-type: none"> Made of heat treated alloy steel Cushioned vinyl grip handles Crimping dies for 22-10 AWG terminals Wire stripping stations for 22-10 AWG Crimping station and wire cutters are located at the top of the tool Cut-off dies for mild steel and non-ferrous screws 	

Stripping and Cutting Tool

Part Number	Description	
5150250	<ul style="list-style-type: none"> Cuts with one end, strips with the other Self-adjusts to wire sizes 24 to 14 AWG For use on multiple strand primary wires 	

Electrical Installation Tools

\$16 with the purchase of one of the following assortments:

□

- 1930341 Krimp a Seal Terminals □
- 3930341 Krimp a Seal Refill □
- 1930101 Nylon Terminal Assortment □
- 3930101 Nylon Terminal Refill □



0031908

MULTI-PURPOSE CRIMP TOOL

Multi-Purpose hand tool that crimps, cuts and strips wire

- Crimping, cutting, stripping and rethreading tool
- Heat treated steel with padded vinyl handles
- Wire cutter is located at tip for easy access
- Wire stripper makes a complete cut of wire insulation with one stroke
- Cuts, crimps and strips 26 to 10 gauge wire and crimps ignition terminals
- Cuts and rethreads 4040, 6-32, 8-32, 10-24 and 10-32 machine screws

\$12 with the purchase of one of the following assortments:

□

- 1930341 Krimp a Seal Terminals □
- 3930341 Krimp a Seal Refill □
- 0930161 Sealform HS Tubing □
- 3930161 Sealform HS Tubing Refill □



0031905

SELF-IGNITING BUTANE MICRO TORCH

- Butane powered micro torch
- Produces flame temperatures up to 2400° F
- Hundreds of uses ranging from heat shrinking to soldering
- A must for every tool kit
- Self-igniting mechanism with a "lock-on" feature

\$26 with the purchase of one of the following assortments:

□

- 1930341 Krimp a Seal Terminals □
- 3930341 Krimp a Seal Terminal Refill □
- 0930161 Sealform HS Tubing □
- 3930161 Sealform HS Tubing Refill □
- 1930204 Heavy Wall HS Tubing □
- 1930204 Heavy Wall HS Tubing Refill □



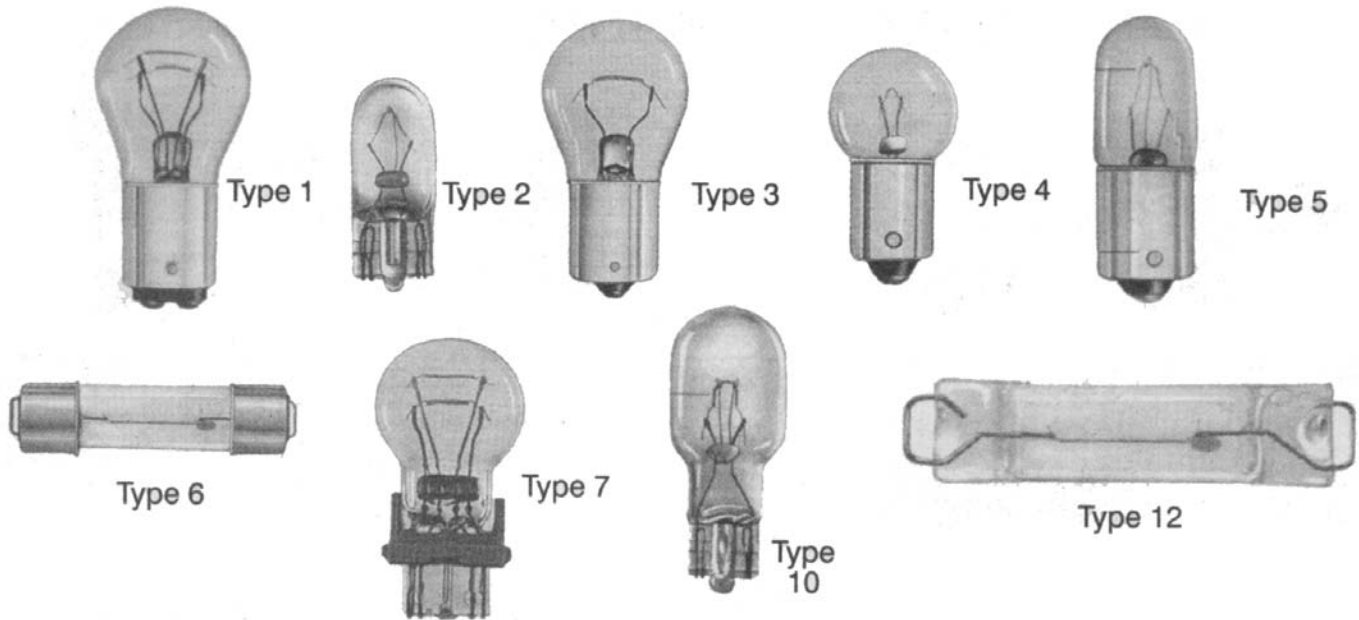
0031906

SELF-IGNITING BUTANE CANNISTER TORCH

- Built-in self-igniting system with safety lock that ensures the switch is not turned on when not in use
- Built-in "refillable" plastic fuel tank
- Wide, stable base is perfect for hands-free use
- Temperature up to 2500° F/1300° C
- 2-hour continuous run time for perfect continuous heat applications
- Adjustable flame that will produce a broad or pinpoint flame
- Meets Consumer Products Safety Commission (CPSC) Child Safety Requirements
- Use to heat materials, ignite materials, pinpoint torch, shrink tubing, solder and desolder, terminate specialty connectors and more

Miniature Light Bulbs

- Specifically designed to meet the needs of fleet service
- 12 volt



Part Number	Industry Bulb No.	Figure No.	Candle Power
0035101	53	4	1
0035103	57	4	2
0035106	67	4	4
0035104	89	4	6
0035105	90	13	6
0035128	97	4	4
0035129	158	2	2
0035139	168	2	3
0035110	194	2	2
0035130	194A	2	-
0035111	198	1	32
0035112	199	3	32
0035113	211-2	6	12
0035114	293	4	2
0035140	561	12	12
0035141	906	2	6
0035142	912	10	12
0035143	921	10	21

Part Number	Industry Bulb No.	Figure No.	Candle Power
0035115	1003	3	15
0035116	1004	1	15
0035117	1034	1	32
0035118	1073	3	32
0035120	1141	3	21
0035121	1154	1	32
0035122	1156	3	32
0035123	1157	1	32
0035124	1157A	1	-
0035125	1176	1	32
0035138	1893	5	2
0035126	1895	4	2
0035131	2057	1	32
0035132	2057A	1	32
0035133	3057	7	32
0035134	3057NA	7	24
0035135	3156	7	32
0035136	3157	7	32
0035137	3157NA	7	24

Tuff-skin Safety Bulbs

- Shatterproof - silicone safety coating resists bulb breakage from thermal shock and impact when dropped
- Multiple filament supports - provides maximum vibration protection withstands power surges
- 4,000 hour average life
- Brass base - prevents socket corrosion
- 130 Volt rating, UL listed

Part No	Watts	Volts
0035203	75	120
0035204	100	120

Vibration and Shock-Resistant Design

High grade tungsten filament

Five filament supports and two lead wires

Brass base

Rough Service Bulbs

- Reinforced filament supports - provide resistance to shock and vibration
- 3,500 hours average life
- Brass base prevents socket corrosion
- 130 Volt rating, UL listed

Watts	Volts	Part No.	Unit
50	120	0035200	12
75	120	0035201	12
100	120	0035202	12

Ordinary Filament with Single Support

High grade tungsten filament

Five filament supports and two lead wires

Brass base

Work Lights



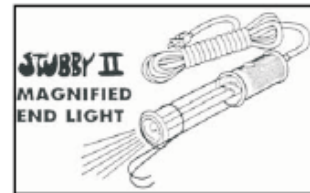
Stubby II Rough Service Fluorescent Work Light

- 13 watt rough service fluorescent bulb illuminates with over 75 watts of light
- Clear outer tube with end light magnifier shines like a flashlight
- Cool Operation
- Safe for use around flammable liquids
- High impact, shock resistant industrial design

Made in U.S.A



**Lights up
Your
Work Area
2 Ways**



...as a SIDE LIGHT & MAGNIFIED END LIGHT!

Clear lamp cushion and bumper at end of unit allows maximum light to illuminate work area. On-off switch inside handle is protected from dirt and moisture. All weather, oil-resistant 18 gauge cord. Hangs safely from its adjustable steel hook.



Part No	Description
5141300	STUBBY II WITH 1' CORD
5141325	STUBBY II WITH 25' CORD
5141340	STUBBY II WITH 40' REEL
5141350	STUBBY II WITH 50' CORD
5141395	STUBBY II HEAD KIT ONLY
5141394	MAGNETIC MOUNT
5141393	13 WATT ROUGH SERVICE BULB



WORK LIGHTS

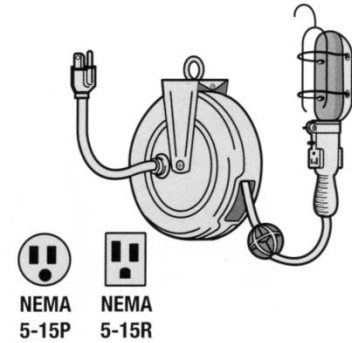


Retractable Cord Reel Work Light

3 Conductor SVT, 300 volts grounding

- Complete with all hardware for easy wall or ceiling mounting in workshop or garage. Work light has safety grounded metal lamp guard and includes switch and side outlet.

Part No	Length	AWG	AMPS	WATTS	COLOR
5140583	20 Ft	18/3	7	875	Orange

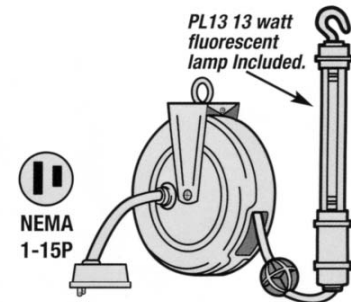


Fluorescent Work light Retractable Reels

2 Conductor SVT

- Energy saving and cool burning with convenient plug -in ballast

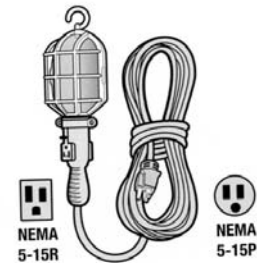
Part No	Length	AWG	AMPS	WATTS	COLOR
5140584	20 Ft	18/2	7	875	Yellow



Plastic Guard Work Lights

3 Conductor SJT, 300 volts grounding with switch & receptacle

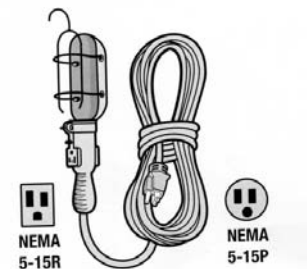
Part No	Length	AWG	AMPS	WATTS	COLOR
5140306	50 Ft	16/3	13	1625	Orange



Metal Guard Work Lights

3 Conductor SJT, 300 volts grounding

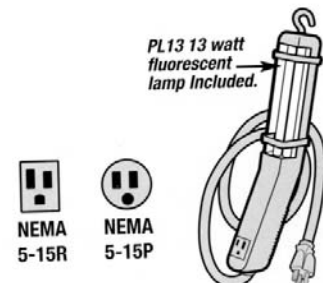
Part No	Length	AWG	AMPS	WATTS	COLOR
5140307	25 Ft	14/3	15	1875	Yellow
5140308	50 Ft	14/3	15	1875	Yellow



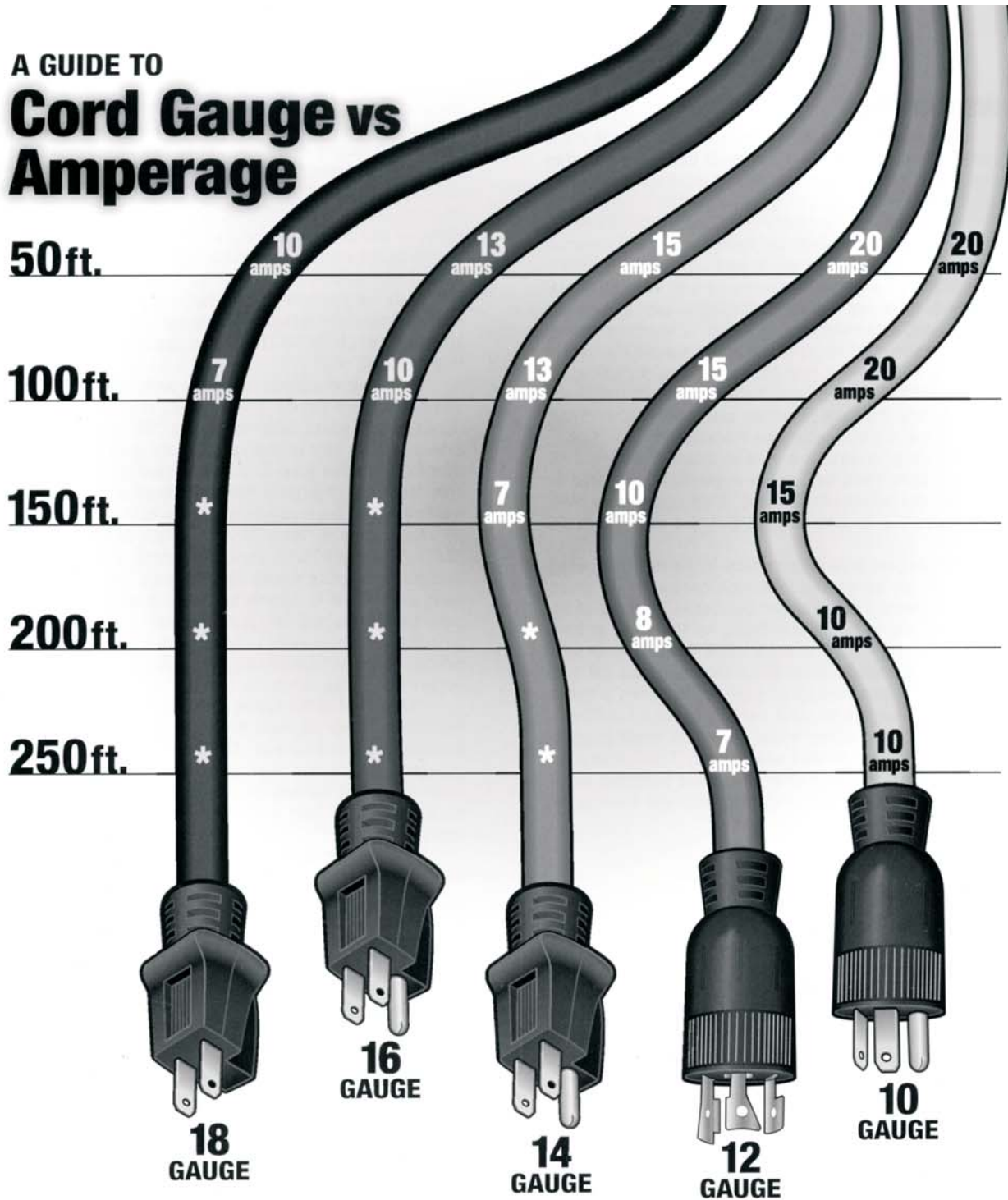
Fluorescent Work Lights

3 Conductor SJT, grounded with switch and receptacle

Part No	Length	AWG	AMPS	WATTS	COLOR
5140310	15 Ft	18/3	10	1250	Black



A GUIDE TO Cord Gauge vs Amperage



TYPICAL USAGE GUIDE	MEDIUM DUTY		HEAVY DUTY	EXTRA HEAVY DUTY	
	Fans	Lawnmowers	Drills	Circular Saws	Generators
	Small Appliances	Hedge Trimmers	Belt Sanders	Chain Saws	Recipro Saws
	Stereos	Space Heaters	Routers	Worm Drives	Rotary Hammers
	Household Tools	Jig Saws	Table Saws	Grinders	Compressors

*Not recommended for use at this length

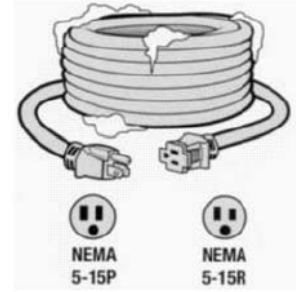
CORD, PLUGS & SWITCHES



All-Weather Extension Cords

3 Conductor SJEOW, 300 volts Grounding

Arctic Blue™ all weather TPE- Rubber Extension Cords are designed for use by contractors and industrial personnel, providing an all weather cord set made for outstanding performance at temperatures from -58 °F to 221° F. One-third lighter than ordinary cords, Arctic Blue TPE-rubber cords provide superior resistance to sunlight, ozone, cracking oils and chemicals and are outstanding in resistance to abuse, rough handling and wear

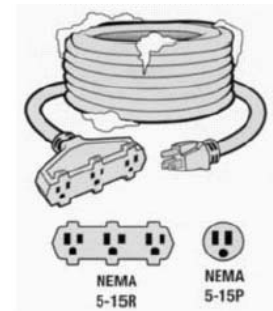


Part No	Length	AWG	Amps	Watts
0030570	25 ft	14/3	15	1875
0030571	50 ft	14/3	15	1875
0030572	100 ft	12/3	15	1875

All-Weather Triple Tap

3 Conductor SJEOW, 300 Volts Grounding

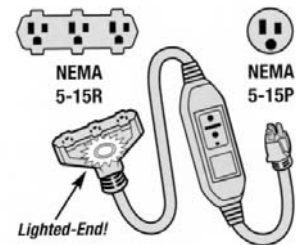
Part No	Length	AWG	Amps	Watts
0030574	25 ft	12/3	15	1875
0030573	50 ft	12/3	15	1875



Shock Safe In-line G.F.C.I. Lighted-End Outdoor Cords

Molded-on and bonded vinyl plugs and connectors, in-line mechanical G.F.C.I. Centrally placed along the cord, and test and reset buttons.

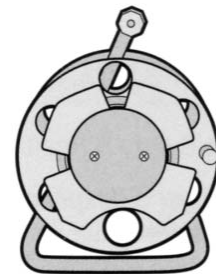
Part No	Length	AWG	AMPS	WATTS	COLOR
5140585	3 Ft	12/3	15	1875	Yellow



Portable Cord Reel

Provides tangle-free portable storage for extension cords

Part No	Color
5140580	Black



Cord Winder

Provides tangle-free storage for extension cords in a compact heavy duty frame.

Part No	Color
5140581	Black



Outdoor Portable Power Cord

- Vinyl Jacketed 2 & 3 Conductor SJTW, 300 volts grounding
- Designed for heavy duty service, portable tools, small motor and power extensions.
- UL listed, OSHA acceptable

Part No	Length	AWG	VOLTS	COLOR
0030553	50 Ft	16/2	300	Black
0030540	50 Ft	16/3	300	Black
0030541	50 Ft	14/3	300	Black
0030542	50 Ft	12/3	600	Black

Standard Duty Black Rubber Wiring Devices

Part No	NEMA No	Rating	Description	Cord Dia.
1540002	5-15R	15A - 125V	Connector U-Ground-Black	.25 - .60
1540001	5-15P	15A - 125V	Plug U-Ground-Black	.25 - .60

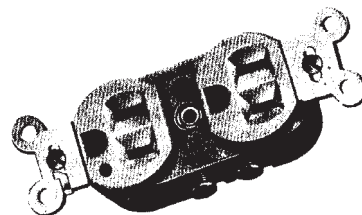
Add-A-Cord Plug

Part No	Description
1540586	<ul style="list-style-type: none"> • 3-prong grounded 3-way convenience plug • Heavy duty injection molded plug • Ideal product when circuits are scarce • Wide variety of uses • Easy to use

Hospital Grade High Abuse Grounding Receptacles

- All devices are UL listed, meet FED. SPEC - WC-596E
- Green dot on face, housing is constructed of high impact resistant lexan
- Unique one piece construction grounding strip
- Break off fins for easy two circuit conversion
- Large head brass terminal screws backed out and staked
- Use only copper or copper clad wire with these devices

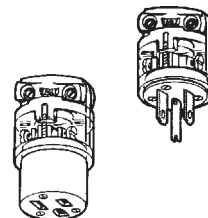
Part Number	Color	Description	Rating
1540017	Ivory	Duplex	15A-125V 5-15R
1540018	Red	Duplex Emergency	15A-125V 5-15R



Hospital Grade Plugs & Connectors

- Compact design with clear lexan husk permits wiring connections to be seen
- Individual wire compartments with pressure terminal clamps for easy wiring
- NEMA number and rating on face
- I-bean cord clamps accommodate all wire sizes
- Speed screws for easy assembly

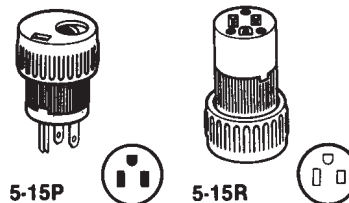
Part Number	Description	Rating
1540030	Plug	15A-125V NEMA 5-15P
1540031	Connector	15A-125V NEMA 5-15P
1540032	Plug	20A-125V NEMA5-20P



Kwiklok Plugs & Connectors

- KWIKLOK cord grip has no screw or plates to take apart and put back, simply insert cord into the end and turn the cap locking and sealing the cord into place
- UL approved and C.S.A. approved, yellow nylon dead front construction completely shockproof


Part Number	Cord Range	Description	Rating
1540003	#18/3 TO #10/3	Plug	15A-125V 5-15P
1540004	#18/3 TO #10/3	Connector	15A-125V 5-15P



Industrial Heavy Duty Grounding Toggles

- Supplied with both screw and E-Z wire pressure terminals for fast installation
- Large head screws staked and backed out take up to # 10 wire
- Back pressure terminals take #12 or #14 solid copper wire
- Steel strap riveted to 2 piece completely enclosed housing
- 15A, 120-277V AC, 1/2 HP-120V AC, 2HP -240V AC
- Use only copper or copper clad wire with these devices

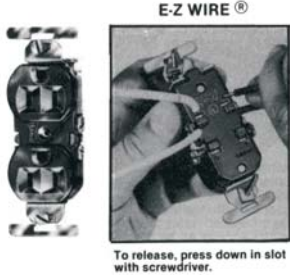
Part Number	Color	Description	Rating
1540015	Brown	Single Pole	15A-120V-277V
1540016	Ivory	Single Pole	15A-120V-277V



Industrial Straight Blade Grounding Receptacle

- Supplied with both side screws and back E-Z wire pressure terminals
- E-Z wire terminals take #12 or #14 wire, side screw takes #10.
- All power contacts are double wipe
- Mounting strap goes through the receptacle body for extra strength
- 15A, 125 VOLT - NEMA 5-15R
- Use only copper or copper clad wire with these devices

Part Number	Color	Description	Rating
1540013	Brown	Duplex 2-Pole 3-Wire	15A-120V
1540014	Ivory	Duplex 2-Pole 3-Wire	15A-120V



Lexan Wall Plates

- High impact construction resists chipping, cracking will not conduct electricity


Part Number	Description	Color
1540022	Switch Plate	Brown
1540023	Switch Plate	Ivory
1540020	Receptacle Plate	Brown
1540021	Receptacle Plate	Ivory



Ranger Wire Nuts

- Tough nylon construction
- Wing design makes assembly fast and easy
- UL listed under STANDARD 467 for use as grounding connectors
- Live spring action gives vibration resistant connections
- Deep skirt allows insulation to reach further into the connector


Part No	Color	22	20	18	16	14	12	10	8
0031400	Yellow	5-7	3-6	2-6	1-4	1-4	1-3	1	1
0031399	Red		4-10	2-10	2-7	1-6	1-5	1-3	1-2



Scotchlok 2 Wire Connectors

- Grips quicker pulls on faster, for a solid secure connection every time.
- Unique spring design expands to accept a wide range of wire sizes.
- Large throat design and extended skirt allow just three sizes to cover the entire 600 volt wire range.
- The long skirt provides flexible protection for conductors but bends readily & conforms to take up less room
- Rounded wings make the connector easier to grip and provide maximum torque
- UL LISTED 600 Volts Max Building Wire 1000 Volts Max signs


Part Number	Color	Stranded Or Solid
0031460	Org/Blue	2 #22 - 2 #12
0031461	Red/Yel	2 #18 - 2 # 8
0031462	Blue/Gray	4 #14 - 5 #10



Vinyl Scotchlok Wire Nuts

- Flexible compact fully insulated connection
- Torque fins for secure grip and fast installation
- Deep skirt allows insulation to reach further into the connector
- UL LISTED 600 Volts Max Building Wire 1000 Volts Max signs

Part Number	Color	AWG
0031401	Blue	12-6
0031402	Grey	14-8
0031403	Red	16-10
0031404	Yellow	18-12



Twist Lock Wire Nuts

- Requires no pre-twisting
- UL & C.S.A. Listed

Part Number	Color	Stranded AWG	Volts
1540005	Grey	22-16	300
1540006	Blue	22-14	300
1540007	Orange	22-14	600
1540008	Yellow	18-10	600
1540009	Red	18-10	600



CIRCUIT TESTERS



Ultimate AC Sensor

Traces electrical circuits, prevents shock

Part Number	Description
0031900	<ul style="list-style-type: none"> • Detects 50-600 VOLTS A.C. • Probe glows cherry red in presence of A.C. voltage • Sounds audible beep if AC voltage is present • Senses electromagnetic field through insulation • No contact with conductor wire required • No ON/OFF switch therefore it is always ready to use. • Will not beep when it comes in contact with a static field. • Energizer alkaline batteries included • UL listed



DC Voltage Detector

Part Number	Description
0031901	<ul style="list-style-type: none"> • Detects 6-50 Volts DC current • If DC current is present, LED light will glow red and a buzzing sound will be emitted by the DC detector. • Pen sized unit easy to handle and store • Large clip fits both large and small ground connection points • Sharp rust proof stainless steel tip penetrates heavy wire easily • 20 gauge heavy duty heat resistant test lead wire • Ideal for Automotive, Marine, Telecommunications, Aviation, Farm Equipment, Industrial Controls, Heavy equipment, Trucks & RV's and any other 6-50 Volt DC System



Scotchcode Wire Marker

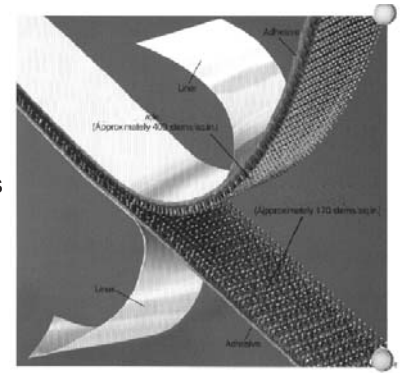
- Compact easy to use
- Convenient rolls - precise cutoff no waste
- Refillable

Part Number	Description	Marker Numbers
0039100	Unit With	#0-9
0039105	Refill	#0-4
0039109	Refill	#5-9

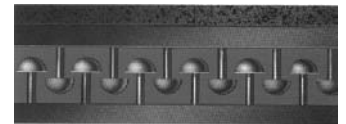


Dual-Lok Recloseable Fasteners

- 5 times stronger than conventional Velcro type products
- Adhesive backing adheres instantly to most surfaces
- Press to close, peel or pull to open
- Replaces other mechanical fasteners such as clips, snaps, and small screws
- Fasteners do not require precise alignment
- Cycle life exceeds 1000 closures



Part Number	Description	Color	Size	Disengagement Strength
0033560	Very high bond	Clear	2 Rolls 1" x 14.7 Ft	38 lb / sq in
0033541	General Purpose	Black	2 Rolls 1" x 14.7 Ft	50 lb / sq in



Dual-lok Discs

- Can be attached with pop rivets or screws
- Recessed holes for mechanical attachment
- Will work in temperatures up to 200° F

Part Number	Description	Size
0033542	Black	13/16 Dia



Scotch Cable and Wire Tie Wrap

- For temporary and permanent applications
- Incorporates flexibility, a thin profile, and superior strength for a unique cable bundling, wire harnessing and fastening system
- Secures quickly and easily, remains locked without slipping and can be reused for maximum efficiency.
- Excellent for wire bundling, cable fastening, fiber optic installations, securing electrical and electronic components and a variety of applications, permanent or temporary

Product Number	Size	Description
0039632	3/8"	Perforated 8" - 75 pieces
0039634	1/2"	Perforated 8" - 75 pieces
0039635	Dispenser for 3/8" and 1/2" Roll	

