Polar Wire Products, Inc
Product Catalog

7941 Brayton Drive, Anchorage, Alaska • (907) 561-5955

www.polarwire.com

FOR NEARLY THREE DECADES, Polar Wire Products has exclusively manufactured and offered our premier arctic grade industrial wire: *Arctic Ultraflex Blue®* and *Arctic Superflex Blue®*

Our revolutionary flexible wire combines finely stranded copper construction with a jacket material designed to withstand the abuses of oil, gasoline, sunlight, salt water, acids, and chemicals. Customers have subjected *Arctic Ultraflex Blue®* and *Arctic Superflex Blue®* wire to the harsh environments of Alaska, and proven that even in extreme temperatures to -55°C, this wire works!

We carry wire in a wide range of styles and configurations, and supply solderless terminals, compression and mechanical lugs, heat shrink and other wiring control products and tools.

We search out and source reliable, best quality parts to offer in our store, and use these as components in our cables, jumpers, extension cords, and other Polar Wire branded products as well.

Our web store and catalogs make it easy to order any of the thousands of quality products stocked in our warehouses. In stock items are shipped same day.

Order online, by email, fax, or call us. Our friendly, knowledgeable staff are dedicated to satisfying our customers.

Our catalog is regularly updated and revised. Please visit our website for the most current Polar Wire catalog.

Polar Wire Products, Inc

Corporate Office
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(907) 561-5955

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Website
www.polarwire.com

Online Store
store.polarwire.com

Arctic Ultraflex Blue®

Arctic Ultraflex Blue® continues to be the premier **arctic grade** wire rated and proven to work in extreme temperature ranges of -55°C to 105°C. This highly flexible wire combines finely stranded copper construction with a durable jacket material that resists the abuses of oil and gasoline, sunlight, saltwater, acids, and chemicals.

Arctic Ultraflex Blue® is highly abrasion resistant and can be used in most 600 VOLT applications. UL Listed as AWM (Appliance Wiring Material).

Arctic Ultraflex Blue® has numerous applications, including those approved under NEC article 400 and associated articles.

Applications
- UL 508A Industrial control panels
- Internal appliance and equipment wiring
- Inverter cables and wiring
- Industrial machines and robotics
- Construction equipment, forklifts, golf carts
- Marine, RV and automotive wiring
- Medium and heavy-duty trucks and trailers
- Load banks, motor leads, welding cable
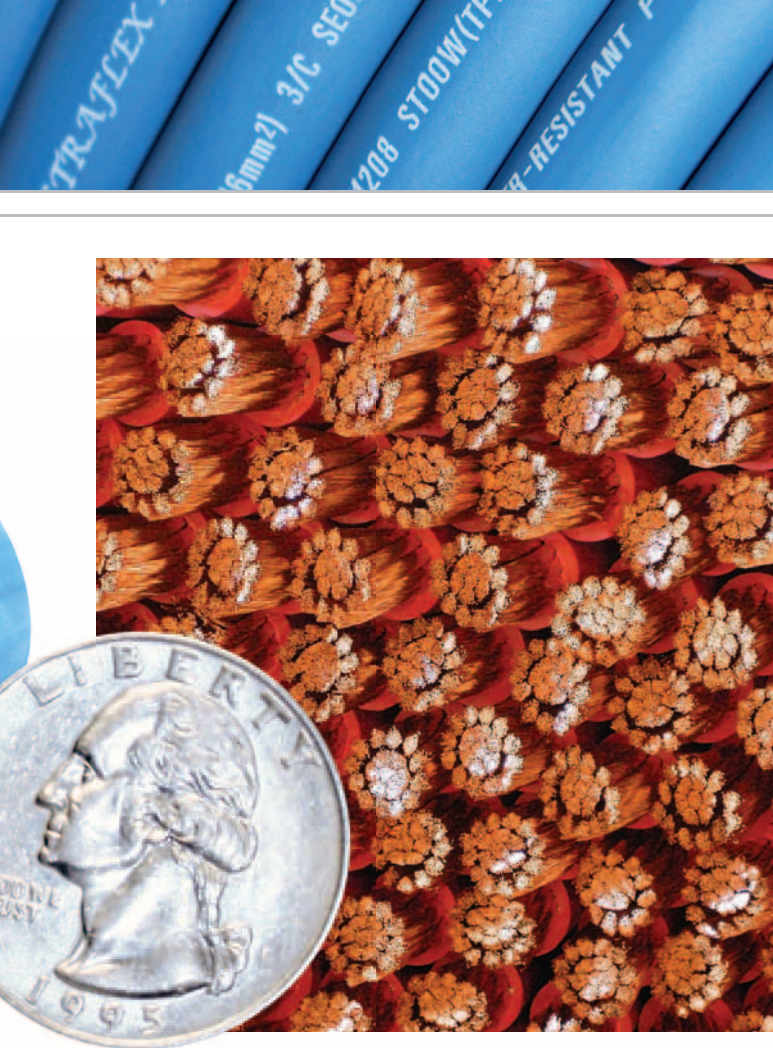- Batteries and chargers
- Power hookup cable

-55°C TO 105°C

RoHS compliant

Arctic Ultraflex Blue®
500 MCM – 5054/30
UL Class K Stranding
per conductor

Typical Legend

E196955 ⚫ AWM 500MCM OIL RESISTANT 600V VW-1
. . . ARCTIC ULTRAFLEX BLUE® -55°C TO 105°C . . .
CSA 234608 TEW 105°C 600V FT1

Insulation Properties

Properties	Test Method	Performance
Specific Gravity (±.02)	ASTM D-792	1.30
Durometer Shore "A" (±.02) INST./15 seconds	ASTM D-2240	77/65
Tensile Strength (60 mil)	ASTM D-412	2000
Elongation (%)	ASTM D-412	300
Brittle Point (C)	ASTM D-746	-55°C
Oxygen Index %	ASTM D-2863	25.0
Oil Aged 18 Hours @ 121°C		
% Retention of Tensiles	UL Standard	129%
% Retention of Elongation	UL Standard	72%
Air Aged 7 Days @ 136°C		
% Retention of Tensiles	ASTM D412-80	109%
% Retention of Elongation	ASTM D412-80	100%
Oil Aged 7 Days @ 60°C		
% Retention of Tensiles	ASTM D412-80	124%
% Retention of Elongation	ASTM D412-80	89%
VW-1 Flame Test	UL Standard	Pass
Product Cold Bend Test	UL Standard	Pass
Voltage Rating	UL Standard	600

Class K Copper Stranded Construction Specifications

Size	Class K Copper Strand Qty/AWG	Class K Copper Strand Style	Nominal Conductor Outside Diameter	Insulation Thickness	Minimum Finished Outside Diameter	Ampacity* 30°C (86°F)	Ampacity* 40°C (104°F)
18 AWG	16/30	Tinned	.047"	.030"	.105"	n/a	n/a
16 AWG	26/30	Tinned	.059"	.030"	.118"	26	24
14 AWG	41/30	Tinned	.074"	.030"	.130"	38	36
12 AWG	65/30	Tinned	.093"	.030"	.150"	44	41
10 AWG	105/30	Tinned	.118"	.030"	.180"	60	56
8 AWG	168/30	Bare	.150"	.045"	.240"	85	81
6 AWG	266/30	Bare	.190"	.060"	.310"	115	106
4 AWG	420/30	Bare	.240"	.060"	.360"	150	142
2 AWG	665/30	Bare	.310"	.060"	.430"	205	193
1 AWG	836/30	Bare	.335"	.080"	.495"	240	223
1/0 AWG	1064/30	Bare	.390"	.080"	.550"	285	264
2/0 AWG	1330/30	Bare	.435"	.080"	.600"	325	304
3/0 AWG	1672/30	Bare	.490"	.080"	.650"	380	355
4/0 AWG	2109/30	Bare	.530"	.085"	.710"	440	411
250 MCM	2451/30	Bare	.685"	.095"	.875"	495	461
350 MCM	3458/30	Bare	.820"	.095"	1.010"	620	512
500 MCM	5054/30	Bare	.995"	.110"	1.220"	760	710

*Ampacities of 600V and 1000V 105°C AWM wires in air. **Note:** Ampacities based on single conductor in free air, 30°C (86°F) or 40°C (104°F) ambient temperature as specified, 105°C (221°F) conductor temperature, per table 310-17 of the NEC (adjusted for 105°C). Free air ratings assume a one-cable diameter spacing between adjacent conductors.

Polar Wire Products is the exclusive manufacturer of *Arctic Ultraflex Blue*®
Premium Arctic Grade Wire

PROUDLY MADE IN THE USA

ARCTIC ULTRAFLEX BLUE®

Arctic Ultraflex Blue®

**Outstanding Flexibility
and Proven Performance
in Extreme Cold to -55°C**

**PROUDLY MADE
IN THE USA**

- 100% copper flexible fine strand conductors are tinned for corrosion resistance and conductivity

- Ultraflexible, highly abrasion resistant jacket withstands water, salt, oil and gas, chemicals, sunlight

- Tested and proven in the harsh environment of Alaska's Arctic North Slope

-55°C TO 105°C

RoHS compliant

18 AWG
100'

16 AWG
100'

14 AWG
100'

12 AWG
100'

10 AWG
100'

18 AWG
1000'

18 AWG
500'

16 AWG
500'

14 AWG
500'

12 AWG
500'

10 AWG
500'

12 AWG
1000'

*Large spools and
bulk quantities available*

18 AWG
35'

16 AWG
30'

14 AWG
20'

12 AWG
15'

10 AWG
10'

Single Conductor Wire 10 – 18 AWG

Arctic Ultraflex Blue® Finely Stranded Class K Tinned Copper

Bulk quantities available upon request

AWG	Stocked Wire Color	5000' Spool Part Number	2500' Spool Part Number	500' Spool Part Number	100' Spool Part Number	Clamshell Package Part Number	Length
18	● Black	AUF-18BLK	-	AUF-18BLK-500	AUF-18BLK-100	BP-18BLK	35'
18	● Blue	AUF-18BLU	-	AUF-18BLU-500	AUF-18BLU-100	BP-18BLU	35'
18	● Brown	AUF-18BRN	-	AUF-18BRN-500	AUF-18BRN-100	BP-18BRN	35'
18	● Green	AUF-18GRN	-	AUF-18GRN-500	AUF-18GRN-100	BP-18GRN	35'
18	● Gray	AUF-18GRY	-	AUF-18GRY-500	AUF-18GRY-100	BP-18GRY	35'
18	● Orange	AUF-18ORG	-	AUF-18ORG-500	AUF-18ORG-100	BP-18ORG	35'
18	● Red	AUF-18RED	-	AUF-18RED-500	AUF-18RED-100	BP-18RED	35'
18	○ White	AUF-18WHT	-	AUF-18WHT-500	AUF-18WHT-100	BP-18WHT	35'
18	● Yellow	AUF-18YEL	-	AUF-18YEL-500	AUF-18YEL-100	BP-18YEL	35'
16	● Black	AUF-16BLK	-	AUF-16BLK-500	AUF-16BLK-100	BP-16BLK	30'
16	● Blue	AUF-16BLU	-	AUF-16BLU-500	AUF-16BLU-100	BP-16BLU	30'
16	● Brown	AUF-16BRN	-	AUF-16BRN-500	AUF-16BRN-100	BP-16BRN	30'
16	● Green	AUF-16GRN	-	AUF-16GRN-500	AUF-16GRN-100	BP-16GRN	30'
16	● Gray	AUF-16GRY	-	AUF-16GRY-500	AUF-16GRY-100	BP-16GRY	30'
16	● Orange	AUF-16ORG	-	AUF-16ORG-500	AUF-16ORG-100	BP-16ORG	30'
16	● Red	AUF-16RED	-	AUF-16RED-500	AUF-16RED-100	BP-16RED	30'
16	○ White	AUF-16WHT	-	AUF-16WHT-500	AUF-16WHT-100	BP-16WHT	30'
16	● Yellow	AUF-16YEL	-	AUF-16YEL-500	AUF-16YEL-100	BP-16YEL	30'
14	● Black	AUF-14BLK	-	AUF-14BLK-500	AUF-14BLK-100	BP-14BLK	20'
14	● Blue	AUF-14BLU	-	AUF-14BLU-500	AUF-14BLU-100	BP-14BLU	20'
14	● Brown	AUF-14BRN	-	AUF-14BRN-500	AUF-14BRN-100	BP-14BRN	20'
14	● Green	AUF-14GRN	-	AUF-14GRN-500	AUF-14GRN-100	BP-14GRN	20'
14	● Gray	AUF-14GRY	-	AUF-14GRY-500	AUF-14GRY-100	BP-14GRY	20'
14	● Orange	AUF-14ORG	-	AUF-14ORG-500	AUF-14ORG-100	BP-14ORG	20'
14	● Purple	AUF-14PUR	-	AUF-14PUR-500	AUF-14PUR-100	BP-14PUR	20'
14	● Red	AUF-14RED	-	AUF-14RED-500	AUF-14RED-100	BP-14RED	20'
14	○ White	AUF-14WHT	-	AUF-14WHT-500	AUF-14WHT-100	BP-14WHT	20'
14	● Yellow	AUF-14YEL	-	AUF-14YEL-500	AUF-14YEL-100	BP-14YEL	20'
12	● Black	-	AUF-12BLK	AUF-12BLK-500	AUF-12BLK-100	BP-12BLK	15'
12	● Blue	-	AUF-12BLU	AUF-12BLU-500	AUF-12BLU-100	BP-12BLU	15'
12	● Brown	-	AUF-12BRN	AUF-12BRN-500	AUF-12BRN-100	BP-12BRN	15'
12	● Green	-	AUF-12GRN	AUF-12GRN-500	AUF-12GRN-100	BP-12GRN	15'
12	● Gray	-	AUF-12GRY	AUF-12GRY-500	AUF-12GRY-100	BP-12GRY	15'
12	● Orange	-	AUF-12ORG	AUF-12ORG-500	AUF-12ORG-100	BP-12ORG	15'
12	● Purple	-	AUF-12PUR	AUF-12PUR-500	AUF-12PUR-100	BP-12PUR	15'
12	● Red	-	AUF-12RED	AUF-12RED-500	AUF-12RED-100	BP-12RED	15'
12	○ White	-	AUF-12WHT	AUF-12WHT-500	AUF-12WHT-100	BP-12WHT	15'
12	● Yellow	-	AUF-12YEL	AUF-12YEL-500	AUF-12YEL-100	BP-12YEL	15'
10	● Black	-	AUF-10BLK	AUF-10BLK-500	AUF-10BLK-100	BP-10BLK	10'
10	● Blue	-	AUF-10BLU	AUF-10BLU-500	AUF-10BLU-100	BP-10BLU	10'
10	● Brown	-	AUF-10BRN	AUF-10BRN-500	AUF-10BRN-100	BP-10BRN	10'
10	● Green	-	AUF-10GRN	AUF-10GRN-500	AUF-10GRN-100	BP-10GRN	10'
10	● Gray	-	AUF-10GRY	AUF-10GRY-500	AUF-10GRY-100	BP-10GRY	10'
10	● Orange	-	AUF-10ORG	AUF-10ORG-500	AUF-10ORG-100	BP-10ORG	10'
10	● Red	-	AUF-10RED	AUF-10RED-500	AUF-10RED-100	BP-10RED	10'
10	○ White	-	AUF-10WHT	AUF-10WHT-500	AUF-10WHT-100	BP-10WHT	10'
10	● Yellow	-	AUF-10YEL	AUF-10YEL-500	AUF-10YEL-100	BP-10YEL	10'

Red and Black 14, 16, and 18 AWG are also stocked in 1000' spools, other colors on request

ARCTIC ULTRAFLEX BLUE®

Arctic Ultraflex Blue®

E196955 🔊 AWM 8 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

8 AWG

E196955 🔊 AWM 8 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

8 AWG

E196955 🔊 AWM 6 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

6 AWG

E196955 🔊 AWM 6 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

6 AWG

E196955 🔊 AWM 4 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

4 AWG

E196955 🔊 AWM 4 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

4 AWG

E196955 🔊 AWM 2 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

2 AWG

E196955 🔊 AWM 1/0 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

1/0 AWG

E196955 🔊 AWM 2/0 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

2/0 AWG

E196955 🔊 AWM 4/0 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

4/0 AWG

E196955 🔊 AWM 250 MCM AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

250 MCM

E196955 🔊 AWM 500 MCM AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE ™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

500 MCM

Single Conductor Wire 8 AWG – 500 MCM

Arctic Ultraflex Blue® Wire Colors

8 AWG through 500 MCM is sold by the foot—coiled in lengths up to 100', and spooled in lengths over 100'.

Part Number	Size	Stocked Wire Color
AUF-8BLK	8 AWG	● Black
AUF-8BLU	8 AWG	● Blue
AUF-8RED	8 AWG	● Red
AUF-8WHT	8 AWG	○ White
AUF-8GRN	8 AWG	● Green
AUF-8GRN/YEL	8 AWG	● Green/Yellow Stripe
AUF-6BLK	6 AWG	● Black
AUF-6BLU	6 AWG	● Blue
AUF-6RED	6 AWG	● Red
AUF-6WHT	6 AWG	○ White
AUF-6GRN	6 AWG	● Green
AUF-6GRN/ORG	6 AWG	● Green/Orange Stripe
AUF-4BLK	4 AWG	● Black
AUF-4BLU	4 AWG	● Blue
AUF-4RED	4 AWG	● Red
AUF-4WHT	4 AWG	○ White
AUF-4GRN	4 AWG	● Green
AUF-4GRN/YEL	4 AWG	● Green/Yellow Stripe
AUF-2BLK	2 AWG	● Black
AUF-2BLU	2 AWG	● Blue
AUF-2RED	2 AWG	● Red
AUF-2WHT	2 AWG	○ White
AUF-2GRN	2 AWG	● Green
AUF-2GRN/ORG	2 AWG	● Green/Orange Stripe
AUF-2GRN/YEL	2 AWG	● Green/Yellow Stripe
AUF-1BLK	1 AWG	● Black
AUF-1RED	1 AWG	● Red
AUF-1/0BLK	1/0 AWG	● Black
AUF-1/0BLU	1/0 AWG	● Blue
AUF-1/0RED	1/0 AWG	● Red
AUF-2/0BLK	2/0 AWG	● Black
AUF-2/0BLU	2/0 AWG	● Blue
AUF-2/0RED	2/0 AWG	● Red
AUF-3/0BLK	3/0 AWG	● Black
AUF-3/0RED	3/0 AWG	● Red
AUF-4/0BLK	4/0 AWG	● Black
AUF-4/0BLU	4/0 AWG	● Blue
AUF-4/0RED	4/0 AWG	● Red
AUF-250MCM	250 MCM	● Blue
AUF-500MCMBLK	500 MCM	● Black
AUF-500MCMBLU	500 MCM	● Blue

PROUDLY MADE IN THE USA

UL   CSA   RoHS compliant   ❄☀ -55°C TO 105°C

Custom colors and striping available on request — minimums apply

WIRE STRANDING COMPARISON CHART

Polar Wire Standard

Class B Stranding	OD	Class C Stranding	OD	Class G Stranding	OD	Class H Stranding	OD	Class I Stranding	OD	Class K Stranding	OD	Class M Stranding	OD	Locomotive Cable Stranding	OD
2/0 / 19	.4205	2/0 / 37	.3750	1/0 / 133	.4240	1/0 / 259	.4240	N/A	-	N/A	-	1/0 / 2646	.4310	1/0 / 275	.4200
3/0 / 19	.4700	3/0 / 37	.4700	2/0 / 133	.4740	2/0 / 259	.4770	1/0 / 266	.4320	1/0 / 1064	.3900	N/A	-	2/0 / 325	.4600
4/0 / 19	.5280	4/0 / 37	.5300	3/0 / 133	.5330	3/0 / 259	.5330	2/0 / 342	.4700	2/0 / 1330	.4350	2/0 / 3325	.4600	N/A	-
250 MCM / 37	.5720	250 MCM / 61	.5760	N/A	-	N/A	-	3/0 / 418	.5450	3/0 / 1672	.4900	3/0 / 4256	.5750	3/0 / 450	.5650
350 MCM / 37	.6850	350 MCM / 61	.6813	250 MCM / 259	.6500	250 MCM / 427	.6530	250 MCM / 637	.6800	4/0 / 2109	.5300	4/0 / 5320	.6450	262.6 MCM / 650	.6500
400 MCM / 37	.8250	400 MCM / 61	.7290	300 MCM / 259	.7140	300 MCM / 427	.7160	300 MCM / 735	.7218	250 MCM / 2451	.6850	250 MCM / 6384	.6480	313.1 MCM / 775	.7100
500 MCM / 37	.8100	500 MCM / 61	.8145	350 MCM / 259	.7730	350 MCM / 427	.7720	350 MCM / 882	.8830	300 MCM / 2989	.7700	300 MCM / 7581	.8108	N/A	-
N/A	-	N/A	-	400 MCM / 259	.8260	400 MCM / 427	.8260	400 MCM / 980	.8380	350 MCM / 3458	.8200	350 MCM / 8806	.8822	373.7 MCM / 925	1.140
700 MCM / 61	.9640	700 MCM / 91	.9647	500 MCM / 259	.9220	500 MCM / 427	.9230	500 MCM /1225	.9400	450 MCM / 4522	1.008	450 MCM / 11396	.9400	535.3 MCM / 1325	1.320
750 MCM / 61	.9980	750 MCM / 91	.9988	550 MCM / 427	.9230	550 MCM / 703		550 MCM / 1372	.9910	500 MCM / 5054	1.022	500 MCM / 12691	.9970	N/A	-
N/A	-	N/A	-	600 MCM / 427	.9690	600 MCM / 703	1.022	600 MCM / 1470	1.101	550 MCM / 5453	1.099	550 MCM / 13664	1.198	646.4 MCM / 1600	1.450
1000 MCM / 61	1.160	1000 MCM / 91	1.208	750 MCM / 427	1.131	750 MCM / 703	1.320	650 MCM / 1596	1.089	600 MCM / 5985	1.160	600 MCM / 14945	1.280	N/A	-

ARCTIC ULTRAFLEX BLUE®

Arctic Ultraflex Blue® Power Cord (-50° to 105°C)

4/C SEOOW (UL) 600V 105C (-50C)
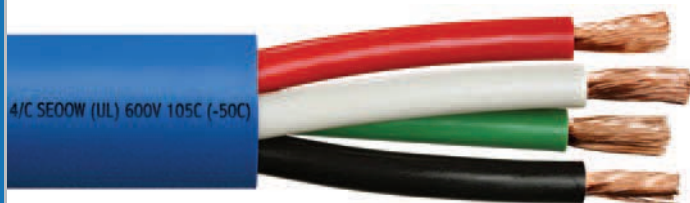
Features

- Flexible, tough TPE jacket
- Works under temperature extremes of -50°C to 105°C
- Color coded conductors for easy identification
- Excellent abrasion and cut resistance
- Ozone, sunlight, and water resistant with high dielectric insulation
- Water and mold resistant non-wicking polypropylene fillers
- Lightweight, long lasting, easy to carry and handle
- All components are recyclable and non-hazardous for environmental landfill disposal

-55°C TO 105°C

RoHS compliant

Applications

- Suitable for and approved for submersion in water
- Special uses requiring flexibility and mechanical toughness, high environmental resistance and flame retardance
- Motor control, stage equipment and lighting
- Pendant push button remote controls
- Industrial control and robotic systems
- Machine and power tools
- Portable power
- Dockside power applications
- Mining and outdoor applications

Industry Approvals

- Federal and Military use under Federal Spec. JC-580B
- UL Listed SEOOW 600V and SJEOOW 300V for NEC Article 400
- CSA Certified STOOW or SJTOOW (TPE) -50°C to 105°C
- P-241-3-MSHA approval for flame resistance and mining applications

PROUDLY MADE IN THE USA

600V Power Cord 18 – 4 AWG

Part Number	Gauge/Number of Conductors	Stranding Quantity/AWG	Nominal Outside Diameter	Amps**
AUF-182*	18/2	16/30	.345"	10
AUF-183*	18/3	16/30	.365"	10
AUF-184	18/4	16/30	.395"	7
AUF-185	18/5	16/30	.465"	5.6
AUF-162	16/2	26/30	.370"	13
AUF-163	16/3	26/30	.390"	13
AUF-164	16/4	26/30	.420"	10
AUF-165*	16/5	26/30	.495"	8
AUF-142*	14/2	41/30	.505"	18
AUF-143	14/3	41/30	.525"	18
AUF-144	14/4	41/30	.575"	15
AUF-145*	14/5	41/30	.652"	12
AUF-122*	12/2	65/30	.570"	25
AUF-123	12/3	65/30	.595"	25
AUF-124	12/4	65/30	.645"	20
AUF-125	12/5	65/30	.710"	16
AUF-102*	10/2	104/30	.655"	30
AUF-103	10/3	104/30	.662"	30
AUF-104	10/4	104/30	.705"	25
AUF-105*	10/5	104/30	.771"	20
AUF-84	8/4	7x24/30	.929"	35
AUF-64	6/4	7x37/30	1.038"	45
AUF-44*	4/4	7x60/30	1.232"	60

300V Junior Power Cord 18 – 12 AWG

Part Number	Conductor AWG/Qty	Stranding Qty/AWG	Nominal Outside Diameter	Amps**
AUF-183J	18/3	16/30	.310"	10
AUF-163J	16/3	26/30	.330"	13
AUF-143J	14/3	41/30	.370"	18
AUF-123J	12/3	65/30	.435"	25

Special order only (minimums apply)

**Ampacity based on NEC Table 400.5 (A) and CEC Table 12

Note: *The ampacity chart is provided for engineering information only. Polar Wire Products, Inc. cannot recommend or express the use of these ampacities since the exact application may need approval from the authority having local jurisdiction. This information is subject to engineering changes. Cold temperature rating is -50°C.*

Jacket Color	Blue
Conductors	18 through 10 AWG Stranded Bare Copper
Conductor Colors	2/C – black, white 3/C – black, white, green 4/C – black, white, red, green 5/C – black, white, red, green, orange
Typical Legend	*Arctic Ultraflex Blue®* E224869 16 AWG (1.31mm2) 2/C SEOOW (UL) 600V 105C (-50C) -- CSA 265576 SEOOW 600V 105C (-50C) FT2 WATER RESISTANT

Arctic Ultraflex Blue Extreme Power Cord was originally developed for use in the University of Wisconsin-Madison IceCube Project in Antarctica. *NSF photo.*

Extreme Power Cord (-70° to 105°C)

Extreme Power Cord 8 – 2 AWG

Extreme Power Cord is available by special order only (minimums apply)

Part Number	Gauge/Number of Conductors	Stranding Quantity/AWG	Nominal Outside Diameter	Amps**
AUFX-83*	8/3	96/28	.700"	40
AUFX-84*	8/4	96/28	.783"	35
AUFX-85*	8/5	96/28	.850"	28
AUFX-63*	6/3	96/26	.818"	55
AUFX-64*	6/4	96/26	.892"	45
AUFX-65*	6/5	96/26	.992"	36
AUFX-43*	4/3	96/24	.911"	70
AUFX-44*	4/4	96/24	1.014"	60
AUFX-45*	4/5	96/24	1.203"	48
AUFX-23*	2/3	7x7/.0223	1.158"	95
AUFX-24*	2/4	7x7/.0223	1.267"	80
AUFX-25*	2/5	7x7/.0223	1.389"	64

*Special order only (minimums apply)

**Ampacity based on NEC Table 400.5 (A)

Note: Sizes 8/3 up to 2/5 are non-UL constructions made with wall thicknesses in accordance with industry standards and MSHA Approved.

Note: The ampacity chart is provided for engineering information only. Polar Wire Products, Inc. cannot recommend or express the use of these ampacities since the exact application may need approval from the authority having local jurisdiction. This information is subject to engineering changes. Cold temperature rating is -70°C.

Jacket Color Light Blue

Conductors 8 through 2 AWG Stranded Bare Copper

Conductor Colors
3/C - black, white, red
4/C - black, white, red, green
5/C - black, white, red, green, orange

Typical Legend *Arctic Ultraflex Blue*® 2-5 SEOOW 600V 105°C (-70°C) WATER-RESISTANT P-241-3-MSHA

-70°C TO 105°C

Features

• Flexible, tough jacket
• Works well in temperature extremes of -70°C to 105°C
• Color coded conductors for easy identification
• Excellent abrasion and cut resistance
• Ozone, sunlight, and water resistant with high dielectric insulation
• Water and mold resistant non-wicking polypropylene fillers
• Lightweight, long lasting, easy to carry and handle
• All components are recyclable and non-hazardous for environmental landfill disposal

Applications

• Uses requiring flexibility and mechanical toughness, high environmental resistance and flame retardence
• Suitable and approved for submersion in water
• On and offshore drilling
• Construction, industry, research
• Mining and outdoor applications
• Dockside power applications
• Industrial control and robotic systems and equipment
• Motor control, lighting, push button remote controls
• Machine and power tools
• Portable power, mobile power
• Extreme power cording

PROUDLY MADE IN THE USA

RoHS compliant

Industry Approvals

• Federal and Military use under Federal Spec. JC-580B
• Manufactured to UL SEOOW 600V and CSA Certified STOOW (TPE) standards
• MSHA approval for flame resistance and mining applications

MSHA APPROVED

ARCTIC ULTRAFLEX BLUE® 2-5 SEOOW 600V 105°C(-70°C) WATER-R

ARCTIC ULTRAFLEX BLUE®

Arctic Ultraflex Blue®

Designed for unbeatable performance in the most demanding conditions

Tough, durable Polar Wire **Extension Cords** are designed for ease of handling and superior performance in cold weather applications. The SEOOW-designated **Arctic Ultraflex Blue®** jacket remains flexible to -50°C and won't become stiff or crack, even in extreme temperatures. **Arctic Ultraflex Blue®** has excellent abrasion resistance and withstands oils, greases, gas, salt, sunlight, and chemicals. Clear NEMA 5-15 and 5-20 molded ends with steel retention rings light to provide instant power verification. Polar Wire extension cords are available in a variety of length and gauge configurations, or specify custom sizes and colors to suit your needs.

- *Our rugged cords OUTPERFORM and OUTLAST the imitators*
- *Proven dependable in the worst winter weather*
- *Industrial grade, contractor quality*
- *Heavy duty molded-in blades fit tightly so water won't penetrate*
- *Arctic Ultraflex Blue® power cords are exceptionally easy to handle—won't tangle or kink*

PROUDLY MADE IN THE USA

Typical Cord Legend

Arctic Ultraflex Blue® E224869
W 12 AWG (3.31mm2) 3/C SEOOW (UL)
600V 105C (-50C) -- CSA 265576 SEOOW
600V 105C (-50C) FT2 WATER-RESISTANT

Features
- Superior flexibility to -50°C (-58°F)
- Class K fine stranded copper construction
- Resists oil, grease, chemicals, abrasion, sunlight and weather
- Clear NEMA 5-15 and 5-20 molded ends light when energized
- Steel retention rings provide extra security and strain relief
- Reinforced blades and pins
- UL and CSA Approved
- Flame retardant (VW-1)
- Environmentally safe
- Made in the USA

RoHS compliant

CLOSEOUT!
LIMITED TO STOCK ON HAND

Arctic Ultraflex Blue®
*is used extensively on Alaska's Arctic North Slope*

NEMA 5-15 Extension Cords

Single Outlet NEMA 5-15

Part Number	AWG	Length
AUF-PC12-10	12	10'
AUF-PC12-25	12	25'
AUF-PC12-50	12	50'
AUF-PC12-100	12	100'
AUF-PC14-10*	14	10'
AUF-PC14-25*	14	25'
AUF-PC14-50*	14	50'
AUF-PC14-100*	14	100'
AUF-PC16-10	16	10'
AUF-PC16-25*	16	25'
AUF-PC16-50*	16	50'

Special order (minimums apply)

Triple Outlet NEMA 5-15

Part Number	AWG	Length
AUF-PCT12-3	12	3'
AUF-PCT12-10	12	10'
AUF-PCT12-25	12	25'
AUF-PCT12-50	12	50'
AUF-PCT12-100	12	100'
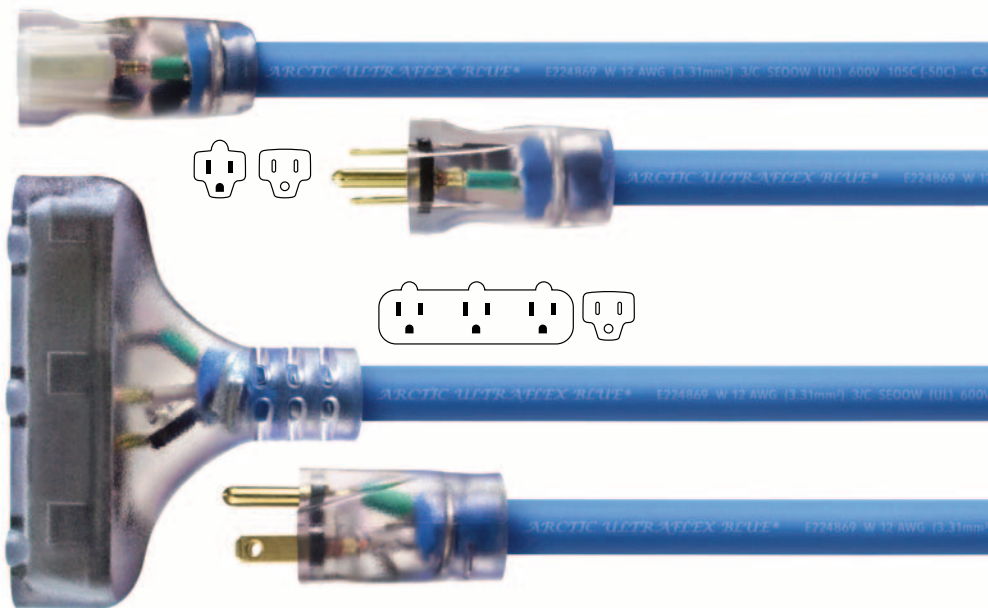
NEMA 5-20 Extension Cords

Single Outlet NEMA 5-20

Part Number	AWG	Length
AUF-PC10-25	10	25'
AUF-PC10-50	10	50'
AUF-PC10-100	10	100'

-50°C TO 105°C

CLOSEOUT!
LIMITED TO STOCK ON HAND

SUPERFLEX BLUE®

Round and Flat Triplex Boat Cable

Polar Wire's exclusive UL Listed premium multi-conductor **Boat Cable** is designed for outstanding performance and corrosion protection in harsh marine environments.

100% copper Class K stranding provides exceptional flexibility, eases installation and reduces fatigue from vibration and flexing.

Features

- UL listed Tinned Copper Boat Cable
- 10, 12, 14, and 16 AWG **Triplex** with black, white, and green conductor colors
- 6, 8, 10, 12, 14, 16, and 18 AWG **DC Duplex** with red/black or red/yellow conductors
- Ultra-flexible Class K fine stranding
- Tinned for protection against corrosion and electrolysis
- Designed specifically for easier handling and installation in cramped spaces
- Opt for round cable for best all-direction bending ability, or choose the space saving flat profile for tight spaces and stacking
- Flat profile is constructed without fillers to facilitate jacket removal and wire stripping
- Resists saltwater, oil and gasoline, heat, sunlight, abrasion
- 600 volts up to 221°F (105°C) dry, 167°F (75°C) wet
- Flexible in cold conditions
- Manufactured by Polar Wire in the USA

PROUDLY MADE IN THE USA

Marine grade **Triplex Boat Cable** is configured in round and flat profiles with black, white, and green conductors and white TPE outer jacket. 100% copper Class K fine stranded conductors are ultra flexible and tinned for maximum corrosion resistance and long performance. Construction meets and exceeds UL 1426, CSA, and ABYC standards.

Rated for 600 volts, 105°C dry, 75°C wet. Durable jackets resist salt water, oil, gas, sunlight, heat, and abrasion.

Typical Legend

POLAR WIRE BOAT CABLE E321438 (UL) 10 AWG 3/COND VW-1 600V 105C DRY 75C WET OIL RESISTANT BC5W2 MADE IN USA RoHS COMPLIANT — CSA TEW 105C OR AWM I A/B 105C 600V FT1 265576

Flat Black/White/Green Triplex

Part Number 100' Spool	Part Number 500' Spool	Conductor AWG/Qty
BLACK, WHITE, AND GREEN CONDUCTORS		
BCF163-100	BCF163-500	16/3
BCF143-100	BCF143-500	14/3
BCF123-100	BCF123-500	12/3
BCF103-100	BCF103-500	10/3

Round Black/White/Green Triplex

Part Number 100' Spool	Part Number 500' Spool	Conductor AWG/Qty
BLACK, WHITE, AND GREEN CONDUCTORS		
BCR163-100	BCR163-500	16/3
BCR143-100	BCR143-500	14/3
BCR123-100	BCR123-500	12/3
BCR103-100	BCR103-500	10/3

☀ TO 105°C DRY, 75°C WET

10 AWG FLAT

10 AWG ROUND

CABLE E321438 (UL) 10 AWG 3/COND

POLAR WIRE BOAT CABLE E321438 (UL) 10 AWG 3/COND

Round and Flat DC Duplex Boat Cable

Marine grade **DC Duplex Boat Cable** is constructed with 100% copper ultra flexible Class K fine stranding, tinned for maximum corrosion resistance and long performance. **DC Duplex** is configured in flat and round profiles with ABYC recommended red insulated (DC positive) and yellow insulated (DC negative) conductors, or in flat profile with red and black conductors. White TPE outer jacket. Construction meets and exceeds UL 1426, CSA, and ABYC standards.

Rated 600 volts, 105°C dry, 75°C wet. Resists vibration and flexing fatigue, oil, gas, salt water, sun, heat, and abrasion. Manufactured in the USA by Polar Wire.

Typical Legend

POLAR WIRE BOAT CABLE E321438
(UL) 8 AWG 2/COND VW-1 600V 105C
DRY 75C WET OIL RESISTANT BC5W2
MADE IN USA RoHS COMPLIANT —
CSA TEW 105C OR AWM
I A/B 105C 600V
FT1 265576

PROUDLY MADE IN THE USA

Flat Red/Black DC Duplex

Part Number 100' Spool	Part Number 500' Spool	Conductor AWG/Qty
RED AND BLACK CONDUCTORS		
BCF182RB-100	BCF182RB-500	18/2
BCF162RB-100	BCF162RB-500	16/2
BCF142RB-100	BCF142RB-500	14/2
BCF122RB-100	BCF122RB-500	12/2
BCF102RB-100	BCF102RB-500	10/2
BCF82RB-100	-	8/2
BCF62RB-100	-	6/2

8 AWG FLAT

Flat Safety Yellow/Red DC Duplex

Part Number 100' Spool	Part Number 500' Spool	Conductor AWG/Qty
YELLOW AND RED CONDUCTORS		
BCF182YR-100	BCF182YR-500	18/2
BCF162YR-100	BCF162YR-500	16/2
BCF142YR-100	BCF142YR-500	14/2
BCF122YR-100	BCF122YR-500	12/2
BCF102YR-100	BCF102YR-500	10/2
BCF82YR-100	-	8/2
BCF62YR-100	-	6/2

10 AWG FLAT

Round Safety Yellow/Red DC Duplex

Part Number 100' Spool	Part Number 500' Spool	Conductor AWG/Qty
YELLOW AND RED CONDUCTORS		
BCR182YR-100	BCR182YR-500	18/2
BCR162YR-100	BCR162YR-500	16/2
BCR142YR-100	BCR142YR-500	14/2
BCR122YR-100	BCR122YR-500	12/2
BCR102YR-100	BCR102YR-500	10/2

10 AWG ROUND

☀ TO 105°C DRY, 75°C WET

Arctic Ultraflex Blue® Twin Trailer Cable

Arctic Ultraflex Blue® **Trailer Cable** is manufactured exclusively by Polar Wire Products using our arctic grade jacket material that is ultra flexible, lightweight, abrasion resistant and chemical, oil, gas and water resistant. Conductors are Class K fine stranded 100% copper, tinned for corrosion resistance. Designed to perform in extreme cold weather, Polar Wire Trailer Cable stays flexible in extreme temperatures of -55° to 105°C.

Arctic Ultraflex Blue® **Twin Trailer Cable** features red and black tinned conductors and is available in sizes 18 through 10 AWG.

AUF-TC182

AUF-TC162

AUF-TC142

AUF-TC122

AUF-TC102

Features
• Finely stranded 100% Copper
• Tinned for corrosion resistance
• Flexible to -55°C (-67°F)
• 600 Volt rated
• Industry standard colors
• Exceeds SAE standards
• Resists acids, chemicals, oil, gas, sunlight, salt, water

Applications
• Trailer wiring
• DC power needs
• Solar panel and tracker wiring
• Renewable energy projects
• Robotics and related equipment

RoHS compliant

Typical Legend
ARCTIC ULTRAFLEX 14 AWG POWER & CONTROL TRAY CABLE TYPE TC 600V SUN RES

Twin Trailer		Gray outer jacket	
Part Number	**Conductor Size**	**Qty**	**Colors**
AUF-TC182	18 AWG	2	Black, Red
AUF-TC162	16 AWG	2	Black, Red
AUF-TC142	14 AWG	2	Black, Red
AUF-TC122	12 AWG	2	Black, Red
AUF-TC102	10 AWG	2	Black, Red

-55°C TO 105°C

PROUDLY MADE IN THE USA

Custom colors and configurations available — minimums may apply
Contact us for special orders and lead times

AUF-TC122

Arctic Ultraflex Blue® Multi-Conductor Trailer Cable

Arctic Ultraflex Blue® **Multi-Conductor Trailer Cable** is made with 100% copper conductors in 4 and 7 conductor configurations. Class K fine stranded conductors are tinned to resist corrosion (AUF-TC101214-7 is bare copper).

Multi-Conductor Trailer Cable is designed for superior flexibility and long performance in extreme temperatures of -55° to 105°C. 600 Volts. Available by the foot.

Features
- Finely stranded 100% Copper
- Tinned (except AUF-TC1014-7)
- Flexible to -55°C (-67°F)
- Industry standard colors
- Exceeds SAE standards
- Resists acids, chemicals, oil and gas, sunlight, salt, water

Applications
- Trailer wiring, DC power needs
- Solar panel and tracker wiring
- Renewable energy projects
- Robotics and related equipment

Typical Legend
ARCTIC ULTRAFLEX 1-12/6-14 AWG POWER & CONTROL TRAY CABLE TYPE TC 600V SUN RES

-55°C TO 105°C   RoHS compliant

ARCTIC ULTRAFLEX 1-10/6-12 AWG POWER
AUF-TC1012-7

ARCTIC ULTRAFLEX 1-10/2-12/4-14 AWG POWER & CONT
AUF-TC101214-7

ARCTIC ULTRAFLEX 3-10/4-14 AWG POWER & CONT
AUF-TC1014-7

ARCTIC ULTRAFLEX 1-12/6-14 AWG POWER
AUF-TC1214-7

ARCTIC ULTRAFLEX 14 AWG 4/C PO
AUF-TC144

AUF-TC1012-7

PROUDLY MADE IN THE USA

Multi-Conductor Trailer — Blue outer jacket

Part Number	Qty	Conductors Size	Color
AUF-TC1012-7	1	10 AWG	White
	6	12 AWG	Black, Red, Blue, Green, Yellow, Brown
AUF-TC101214-7	1	10 AWG	White
	2	12 AWG	Black, Red
	4	14 AWG	Blue, Green, Yellow, Brown
AUF-TC1014-7	3	10 AWG	White, Black, Red
(Bare Copper)	4	14 AWG	Black, Red, Blue, Green, Yellow, Brown
AUF-TC1214-7	1	12 AWG	White
	6	14 AWG	Black, Red, Blue, Green, Yellow, Brown
AUF-TC144	4	14 AWG	White, Green, Yellow, Brown

THHW / TEW / MTW / AWM / BC-5W2 / SAE TYPE SGT

THHW-10BLK

THHW-8RED

THHW-6GRN

THHW-4RED

THHW-2BLK

THHW-1/0RED

THHW-2/0BLK

THHW-4/0RED

THHW-250MCMBLK

THHW-500MCMBLK

Flexible Wire Ratings and Certifications:

Flexible Building Wire

An excellent oil, heat, acid, and moisture resistance Class K Flexing Service Wire constructed with 30 AWG stranding for superior flexibility. Conductors are soft annealed 100% copper with no aluminum, constructed to ASTM Specification B172. Extra-flexible extruded, high dielectric PVC insulation.

• Rated for -40°F to 221°F (-40°C to 105°C)
• UL Listed and CSA Certified

Fine Strand Battery Cable

More flexible than standard battery cable even in very cold temperatures. Cables made with Multi-Listed Flexible Wire withstand persistant vibration and flexing for reliability and longevity. Ideal for battery and starter cables, ground cables, and jumper cables.

• Fine strand annealed 100% copper conductor with a tough oil, heat, acid, and water resistant PVC jacket
• Meets and exceeds SAE standards, marine ratings

Flexible Welding Cable

30 AWG Class K fine stranded annealed copper conductors provide excellent conductivity and flexibility, reducing operator fatigue and improving efficiency. The tough, extra-flexible, high dielectric PVC jacket resists abrasion, oils, acids, heat, flame, and moisture, and performs reliably in severe cold temperatures and high heat conditions.

• Rated for -40°F to 221°F (-40°C to 105°C)
• Meets UL VW-1 and CSA FT1 flame test requirements.

Single Conductor Marine Boat Cable

BC-5W2 Boat Cable rated for 600 Volts. This flexible wire resists vibration and flexing fatigue, withstands salt water, oil, and fuel exposure, and stays pliable in cold down to -40°F to 221°F (-40°C to 105°C). Its 30 AWG Class K fine 100% copper stranding and highly flexible jacket eases installation in the constricted spaces and tight corners typical of boats.

• Meets or exceeds ABYC standards
• Meets UL VW-1 and CSA FT1 flame test requirements

-40°C TO 105°C

Additional colors available by special order —minimums may apply

Multipurpose, Multiple Listed Flexible Wire

Features

- Excellent oil, heat, acid, and moisture resistance
- Class K Flexing Service Wire constructed with 30 AWG stranding for superior flexibility and conductivity
- Soft annealed bare copper made to ASTM Specification B172 with extra-flexible extruded, high dielectric polyvinyl chloride (PVC) insulation
- Rated for -40°F to 221°F (-40°C to 105°C)

Applications

PROUDLY MADE IN THE USA

- Multipurpose use in NEC Article 310 and NFPA Standard 79 applications
- Internal appliance wiring, electronic circuits, instrument panels, switchboards, fluorescent ballasts, recreational vehicles, boat cable, renewable energy systems
- Motor and transformer leads, battery cables, hookup wire, welding leads, jumper cables

Industry Approvals

- Meets UL VW-1 and CSA FT1 flame test requirements
- UL Listed and Approved for 600V
- Meets or exceeds UL, ABYC and SAE standards
- NEC types Machine Tool Wire and THHW
- 1/0 to 750 MCM are CT (Cable Tray) approved
- UL AWM styles 1232, 1284, 1338
- 6 AWG also UL1337, 1 to 4/0 also UL1338
- CSA Certified. TEW FT-1 for 6 to 4/0 AWG, AWM I A/B FT-1 for 250 to 750 MCM

Typical Legend

E321440 2 AWG (33.62mm2) 600 VOLT
(UL) TYPE MTW VW-1 OR THHW OR BOAT CABLE
BC-5W2 OR AWM STYLES 1232/1284/1338/10269 . . .
CSA 234608 TEW 105°C 600V FT1 OR AWM I A/B
600 VOLT 105°C 600V FT1 . . . FOR SAE TYPE SGT

Class K Finely Stranded Multipurpose Flexible Wire THHW / TEW / MTW / AWM / BC-5W2 / SAE TYPE SGT

Part Number	Color	AWG	MM2	Bare Copper Stranding Qty/AWG	Nominal OD	Wall Thickness	UL Style	Ampacity** Dry	Ampacity** Wet
THHW-10BLK	● Black	10	5.26	105/30	.178"	.030"	1015	105	90
THHW-8BLK	● Black	8	8.37	168/30	.239"	.045"	1028	105	90
THHW-8RED	● Red	8	8.37	168/30	.239"	.045"	1028	105	90
THHW-6BLK	● Black	6	13.30	259/30	.326"	.060"	1232	105	95
THHW-6RED	● Red	6	13.30	259/30	.326"	.060"	1232	105	95
THHW-6GRN	● Green	6	13.30	259/30	.326"	.060"	1232	105	95
THHW-4BLK	● Black	4	21.15	420/30	.378"	.060"	1232	140	125
THHW-4RED	● Red	4	21.15	420/30	.378"	.060"	1232	140	125
THHW-2BLK	● Black	2	33.61	665/30	.485"	.060"	1232	190	170
THHW-2RED	● Red	2	33.61	665/30	.485"	.060"	1232	190	170
THHW-1BLK*	● Black	1	42.40	836/30	.550"	.080"	1232	220	195
THHW-1RED*	● Red	1	42.40	836/30	.550"	.080"	1232	220	195
THHW-1/0BLK	● Black	1/0	53.50	1064/30	.625"	.080"	1232	260	230
THHW-1/0RED	● Red	1/0	53.50	1064/30	.625"	.080"	1232	260	230
THHW-2/0BLK	● Black	2/0	67.40	1323/30	.650"	.080"	1232	300	265
THHW-2/0RED	● Red	2/0	67.40	1323/30	.650"	.080"	1232	300	265
THHW-3/0BLK*	● Black	3/0	85.00	1666/30	.710"	.080"	1232	350	310
THHW-3/0RED*	● Red	3/0	85.00	1666/30	.710"	.080"	1232	350	310
THHW-4/0BLK	● Black	4/0	107.0	2107/30	.805"	.080"	1232	405	360
THHW-4/0RED	● Red	4/0	107.0	2107/30	.805"	.080"	1232	405	360
THHW-250MCMBLK	● Black	250 MCM	127.0	2499/30	.880"	.095"	1284	455	405
THHW-500MCMBLK	● Black	500 MCM	253.0	5054/30	1.160"	.095"	1284	700	620
THHW-750MCMBLK*	● Black	750 MCM	380.0	7448/30	1.380"	.110"	1284	885	785

* Available by special order. Additional colors available upon request. Minimums may apply.

** 105°C ampacities adapted from ICEA P-54-440 /NEMA WC51-1986 R1991. The ampacities provided are for informational purposes only. Acceptance of these values by any governing body is the responsibility of the end user. Ampacities are based on a single conductor, in free air, at 30°C ambient air temperature.

Some sizes available in tinned copper by special order —minimums apply

Diesel Locomotive Wire (DLO)   RHH/RHW-2

Features

- Stranded tinned annealed copper conductor per AAR 589
- Premium-grade 90°C EP Insulation
- Black heavy-duty CPE Jacket
- -40°C to 90°C wet or dry
- Excellent impact and abrasion resistance
- Resists oils, acids, alkalies, heat, flame
- Flexible tinned copper stranding
- 2000 Volt as RHH/RHW-2
- 1000 Volt as CSA RW90

Applications

- Diesel electric locomotives
- Telecom power supply
- Oil and gas drilling rigs
- Mining and earth-moving equipment
- Shipyards and dockside power
- Motor leads, arc welder leads
- Where flexible power leads must be installed in conduit or raceways

Industry Approvals

- Made to UL and CSA Standards
- MSHA Accepted (P-136-29)
- UL Listed as RHH/RHW-2 per UL 44
- CSA Certified as Type RW90 1 kV per C22.2 No.38
- Meets FT-4, VW-1 Flame Tests
- CT Rated 1/0 and larger
- RoHS Compliant

2000V as UL RHH/RHW-2, 1000V as CSA RW90

Black outer jacket

Part Number	AWG or MCM	Conductor Stranding Qty/AWG	Nom. Insulation Thickness	Nom. Outside Diameter	Current Amps (1)*	Current Amps (2)*
DLO-10	10	27/24	.045"	0.26"	40	55
DLO-8	8	37/24	.060"	0.34"	55	80
DLO-6	6	61/24	.060"	0.40"	75	105
DLO-4	4	105/24	.060"	0.46"	95	140
DLO-2	2	154/24	.060"	0.52"	130	190
DLO-1	1	224/24	.080"	0.65"	150	220
DLO-1/0	1/0	280/24	.080"	0.69"	170	260
DLO-2/0	2/0	329/24	.080"	0.73"	195	300
DLO-3/0	3/0	145/24	.080"	0.81"	225	350
DLO-4/0	4/0	551/24	.080"	0.87"	260	405
DLO-262	262.6	646/24	.095"	1.00"	296	467
DLO-313	313.3	777/24	.095"	1.06"	326	522
DLO-373	373.7	925/24	.095"	1.10"	362	52
DLO-444	444.4	1110/24	.095"	1.23"	400	652
DLO-535	535.3	1332/24	.120"	1.34"	445	728
DLO-646	646.4	1600/24	.120"	1.45"	493	815
DLO-777	777.7	1924/24	.120"	1.50"	910	904

*(1) Ampacities based on 90°C Conductor and 30°C Ambient temperature based on Table 310.16 of the NEC for not more than three current-carrying conductors in raceway, cable or earth.
(2) Ampacities based on single-conductor in free air, in accordance with NEC Table 310.17.

Typical Legend

313.1 KCMIL (152.0mm²) TYPE RHH OR RHW-2 2KV (-40C) PR II SUN RES FOR CT USE FT4/IEEE 1202 (UL) E18321 --- CSA LL825 RW90 300 KCMIL EP 1KV (-40C) EP/CPE TC FT4 --- EPR/CPE 2KV DIESEL LOCOMOTIVE CABLE P-07-KA090026-MSHA --- RoHS 2013 2325 350 12114FT.

PROUDLY MADE IN THE USA

-40°C TO 90°C WET OR DRY

Type TC Direct Burial Cable

Type TC Direct Burial Power and Control Cable is a 600V cable with three 100% copper conductors and ground tray cable. Inner insulation jackets are UL Listed THHN/THWN heat stabilized PVC/nylon insulation. Its tough PVC outer jacket resists mechanical damage, heat, flame, moisture, chemicals, sunlight, and corrosion. Designed for burial without conduit and rated for temperatures from -25°C to 90°C.

Features

- 100% bare annealed copper Class B compressed stranded conductors and ground wire
- UL Listed flame and moisture resistant jacket
- Ripcord under jacket eases stripping
- Rated for 600 Volts
- Made in the USA

Applications

- Approved for cable tray, raceway, direct burial, and aerial installations with messenger wire
- Complies with NEC Articles 318, 340, 501, 725
- Approved for tray use in Class 1, Div 2 hazardous locations and Class 1 control circuits as permitted in NEC Articles 318, 501
- 4 AWG is UL Listed for exposed runs (TC-ER) per NEC 336.10
- Use at temperatures up to 75°C wet or 90° dry

Industry Approvals

- ASTM
- UL 1277
- ICEA S-58-679 - Control Cable Conductor Identification Method 4
- UL 1685 - UL CT Flame Exposure Test (70,000 Btu/hr)
- ICEA T-29-520 - Vertical Cable Tray Flame Test (210,000 Btu/hr)
- ICEA 8-95-658 (NEMA WC 70) construction requirements
- IEEE 1202/FT4
- RoHS Compliant

Typical Legend

6 AWG 3 CDRS W/GND TYPE TC-ER THHN-THWN-2 CDRS 90C 600V SUN RES DIR BUR (UL) E153913

Type TC Direct Burial — Black outer jacket

Available by special order only (minimums apply)

Part Number	AWG/Conductors	Ampacity 75°C	Ampacity 90°C
THHN-103	10/3 with ground tray cable	35	40
THHN-83	8/3 with ground tray cable	50	55
THHN-63	6/3 with ground tray cable	65	75
THHN-43	4/3 with ground tray cable	85	95

NOTE: Ampacities based on Table 310.16 of the NEC, 2011 Edition. Ampacities are for general use with a 90°C conductor and 30°C ambient temperature as specified in section 310.15 and in cable trays as specified in section 392-11.
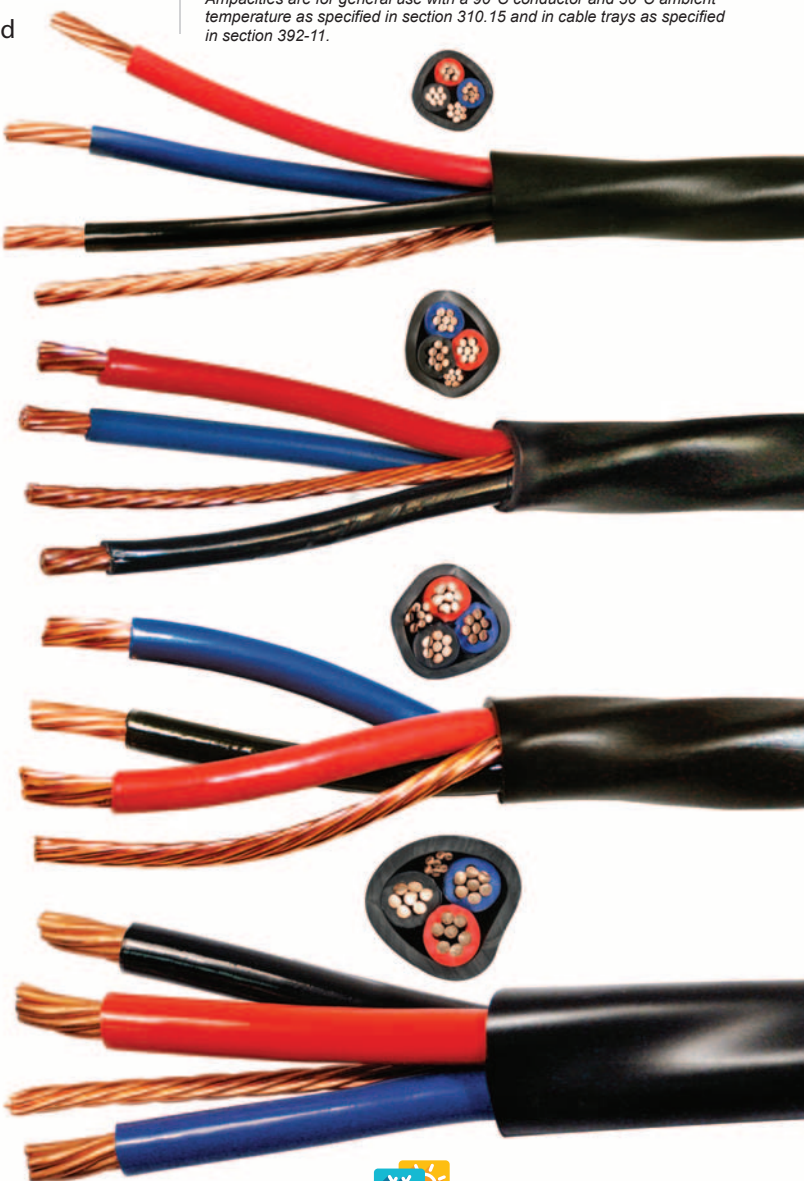
-25°C TO 75°C WET, 90°C DRY

Arctic Superflex Blue®

Arctic Superflex Blue® has been tested and used successfully for nearly three decades in the harsh environment of Alaska's Arctic North Slope. Flexibility is achieved by combining finely stranded 100% copper conductors with a jacket resistant to oil and gasoline, acids, chemicals, salt water and sunlight. *Arctic Superflex Blue®* cables are highly abrasion resistant and can be used in most 600 volt applications.

8 AWG

6 AWG

4 AWG

Arctic Superflex Blue®

Part Number	Wire Gauge	Stranding per Conductor
ASF-8X2	8 AWG	168/30
ASF-6X2	6 AWG	266/30
ASF-4X2	4 AWG	420/30
ASF-2X2	2 AWG	665/30
ASF-1/0X2	1/0 AWG	1064/30
ASF-3/0X2	3/0 AWG	1672/30

PROUDLY MADE IN THE USA

2 AWG

1/0 AWG

3/0 AWG

Polarity stripe extruded into jacket

Polar Wire Products, Inc. is the exclusive manufacturer of
Arctic Superflex Blue®

Double Conductor Wire

Thermoplastic Elastomer Jacket

• Same jacket as *Arctic Ultraflex Blue*®

• Cold weather flexibility to -67°F (-55°C)

• High temperature performance to 221°F (105°C)

• Chemical, abrasion, water, and sunlight resistant

• Parallel bonded construction

• Polarity stripe extruded into jacket

• Tangle resistant and easy to handle

Copper Stranding

• Flexible Class K fine stranded 100% copper

• Built to the same UL/AWG specifications as *Arctic Ultraflex Blue*®

• *Exceeds* SAE standards

RoHS compliant

Applications

• Battery and jumper cables

• Wind and solar power systems

• Outboard motor leads

• Tow truck booster systems

-55°C TO 105°C

• ATV and RV power cables

• Uninterrupted power supply systems (UPS)

Size and Colors

• Available 8 AWG through 3/0 AWG

• Other sizes, custom colors and striping available on request—minimums apply

Typical Legend

1/0 AWG 2/C ARCTIC SUPERFLEX BLUE
-55C TO 105C VW-1 600 VOLTS OIL RESISTANT

Arctic Superflex Blue®
1/0 AWG
1064/30 UL Class K
strands per conductor

*Custom colors
and striping
available*
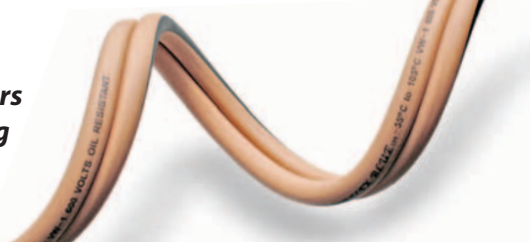
*We use Arctic Superflex Blue® double conductor cable
exclusively in our stock and custom jumper cable systems.*

• **Stays flexible to -55°C**

• **100% COPPER conductors—Absolutely NO ALUMINUM!**

• ***Considerably* more copper than standard auto jumper cables**

• **Highly abrasion and chemical resistant wire insulation**

• **Extruded polarity stripe for safety identification**

Arctic Superflex Blue® Jumper Cables and Systems

The very best Jumper Cables available ANYWHERE!

Polar Wire **Jumper Cables and Systems** are made exclusively with **Arctic Superflex Blue®** cable for unmatched performance and durability. Our cables are ideal for personal to commercial applications.

Proven in the most extreme environments and sub-zero weather, our cables stay flexible in temperatures of -55°C to 105°C.

- *Extensively used and proven on Alaska's Arctic North Slope*
- *Stays flexible and PERFORMS in the coldest storm*
- *100% Copper Conductors*
- *Absolutely NO ALUMINUM!*
- *CONSIDERABLY more copper than standard automotive jumper cables*
- *Highly abrasion and chemical resistant jacket*
- *Extruded polarity stripe for safety*

PROUDLY BUILT IN THE USA
WITH TOP QUALITY
AMERICAN MADE WIRE

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

Arctic Superflex Blue® jumper cables handle with exceptional ease, and won't tangle or kink, even in extreme cold!

- Ideal for automotive, fleet and service applications
- Proven in extreme temperatures of -67°F to 221°F (-55°C to 105°C)
- Resistant to the abuses of oil, gas, acids, chemicals, salt water and sun
- Highly abrasion resistant
- Use in most 600V applications
- Built using UL/CSA Listed or Recognized parts and processes
- *Exceeds* SAE standards
- *LIFETIME LIMITED WARRANTY* on manufacturing and materials

Applications
Sizes 8, 6, 4, 2, 1/0, and 3/0 gauge, in various lengths and configurations:

8 and 6 AWG - light duty applications
- ATVs, UTVs, snow machines, motorcycles, scooters, floor scrubbers, personal watercraft

4 AWG - most auto/marine use
- Cars, pickups, diesels, marine engines

2 AWG - heavy equipment
- Trucks, tractors, light planes, most commercial applications

1/0 and 3/0 AWG - extreme duty
- Earth moving equipment, aircraft, extended distances

Configurations
Clamp to Clamp
- High mobility and versatility

Harness to Clamp
- Ideal for utility vehicles

Harness to Harness
- For fleet vehicles

-55°C TO 105°C

Arctic Superflex Blue® Jumper Cable Construction

Hands-on construction—quality-checked at every step!

Built with top quality components and processes for long, trouble-free service

Our cables start with our Arctic Superflex Blue® Double Conductor Wire

• Flexible, tangle resistant, and easy to handle in deep cold to -67°F (-55°C)

• 100% copper Class K fine strand conductors

• High temperature performance to 221°F (105°C)

• Highly abrasion-resistant jacket stands up to oil, gasoline, salt water, acids, chemicals, sunlight

• Parallel bonded construction, extruded polarity stripe

100% Copper lugs, contacts and clamps

• Solid copper lugs are securely crimped to cable ends

• Heat shrink is applied to lugs, contacts, and cable to seal out dirt and corrosion and provide strain relief

• Heavy gauge solid copper clamps are bolted to cables for easy replacement in case of accidental damage

Harness Power Connectors

• Harness cables are fitted with impact resistant polycarbonate Lexan® power connectors

• Connectors feature silver-plated copper contacts and tempered 301 stainless steel contact springs

• Superior tolerance to extreme heat or cold

• High physical and dielectrical strength

Jump Start Connectors

• Heavy equipment cables are built with field serviceable SAE J1283 connectors

• 500 amps continuous, 2000 amps intermittent 30 seconds

• High impact ABS plastic housings

• Zinc coated terminals

1000A
1/0 and 3/0 Ga
Cables
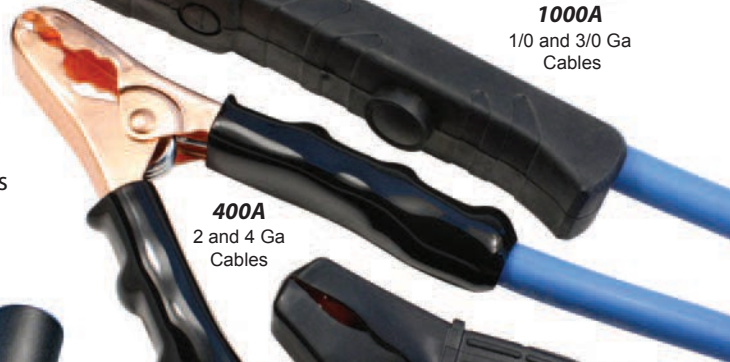
400A
2 and 4 Ga
Cables

100A
8 and 6 Ga
Cables
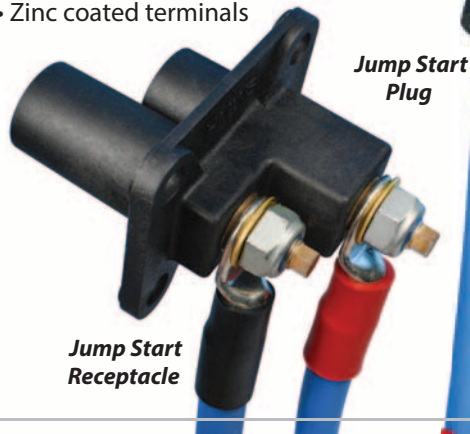
Jump Start Plug

Jump Start Receptacle

120A

350A

175A

Arctic Superflex Blue® Plug to Clamp Jump Start Cables

Built for Industry—Ideal for Earth Moving Equipment

- **Considerably** more copper than standard automotive jumper cables
- 1/0 gauge **Jump Start Cables** are sized to meet heavy duty commercial and industrial requirements and standards
- Ideal for earth moving and off road machinery, mining, agriculture and construction equipment, auxillary start systems
- **Arctic Superflex Blue®** cables are tough, flexible, and dependable, even in the most extreme weather
- Rated for -55°C to 105°C temperatures
- Highly abrasion resistant jacket stands up to oil and gas, salt water, acids, chemicals, and sunlight
- Extruded polarity stripe won't wear off or fade away
- Built with high quality UL/CSA listed components and processes for reliable, lifelong performance
- 1000 Amp solid copper clamps transmit more current and outperform copper-plated clamps
- Clamps are insulated with rugged, full length overmolded PVC in red and black for polarity identification
- Braided copper bonding strap sends continuous current to both jaws for higher amperage
- Heavy spring pressure for strong connections
- Clamps are bolted on for easy replacement
- Heat shrink provides strain relief and seals out moisture, dirt and corrosion
- Meets or exceeds SAE J1283 Standards
- Manufactured exclusively by Polar Wire Products

Plug to Clamp

1000 Amp Dual Live Jaw Clamps

Copper bonding strap sends continuous current to both jaws for higher amperage
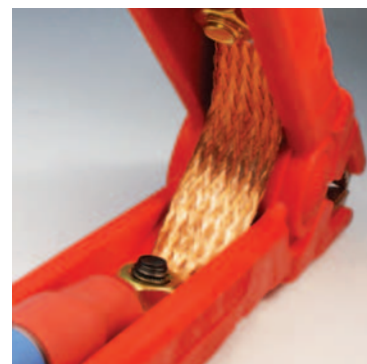
1/0 Gauge J1283 Plug to Clamp Cables

Part Number	Configuration	Length	Clamps
JSP-1/0-15C	Plug to Clamp	15'	1000A
JSP-1/0-30C	Plug to Clamp	30'	1000A

Plug to Clamp and Plug to Plug Jump Start Cables include a durable 13.5" x 3.5" nylon canvas bag with extra wide zippered opening, side pocket, and sturdy webbing handles

Arctic Superflex Blue® Plug to Plug Jump Start Cables

High Ampacity J1283 Jump Start Connectors and Arctic Superflex Blue® for Outstanding All-Weather Performance and Long, Dependable Service Life

Fully compatible with the J1283 connectors used by top manufacturers including Caterpillar, Komatsu, and CASE

- Sized to meet heavy duty commercial and industrial requirements and standards
- Made with 1/0 AWG premium arctic grade *Arctic Superflex Blue®*
- Tough, flexible, and reliable in the most challenging conditions
- Highly abrasion-resistant jacket stands up to oil, gas, salt water, acids, chemicals, and sunlight
- Rated for -55°C to 105°C
- Extruded polarity stripe
- High ampacity SAE J1283 Jump Start Plugs are rated 500 amps continuous, 2000 amps intermittent 30 seconds
- Plug connector mates with SAE J1283 Receptacle
- Connector design ensures proper connection and polarity
- Zinc coated copper terminals
- High impact ABS plastic housing
- Meets or exceeds SAE J1283 performance standards

Plug to Plug

-55°C TO 105°C

1/0 Gauge J1283 Plug to Plug Cables

Part Number	Configuration	Length
JSP-1/0-15P	Plug to Plug	15'
JSP-1/0-30P	Plug to Plug	30'

PROUDLY BUILT IN THE USA
WITH TOP QUALITY AMERICAN MADE WIRE

Let us custom build your Jump Start cables!

Fit your custom Arctic Superflex Blue® Heavy Equipment Jump Start Cables with copper lugs, power connectors, dust covers, butt splices, clamps, or blunt cut the ends, and specify the length. We build to your requirements. Fast turnaround. Call us today!

SAE J1283 Jump Start Mechanical Plug Connector

One of the **HIGHEST AMPACITY RATED** *connectors* **ON THE PLANET!**
500 Amp Continuous, 2000 Amp Intermittent 30 Seconds

Heavy duty, high capacity **SAE J1283 Jump Start Connectors** provide secure electrical connections for charging or starting heavy equipment and industrial machines. The special plug shape eliminates the chance of cross polarity connections.

• Ideal for use where terminal access is restricted or dangerous
• Mechanically applied and field serviceable
• Keyed to ensure correct polarity
• Design reduces chance of sparking and possible ignition of flammable materials
• Zinc coated copper terminals
• High impact ABS plastic housing
• Meets or exceeds SAE J1283 performance standards

Easy to Install

JS-PLUG
J1283 Plug

*Fully compatible
with the J1283 connectors
used by top manufacturers including
Caterpillar, Komatsu, and CASE*

SAE J1283 Jump Start Mechanical Receptacle

- No arbitrary limits on cable length or direction of attachment
- Simple inventory— just a few parts work for every Jump Start application

JS-KIT-TERM
J1283 Receptacle, Cap, and Backet

RECEPTACLE

Bracket accepts 5/16" mounting bolts (not included)

CAP
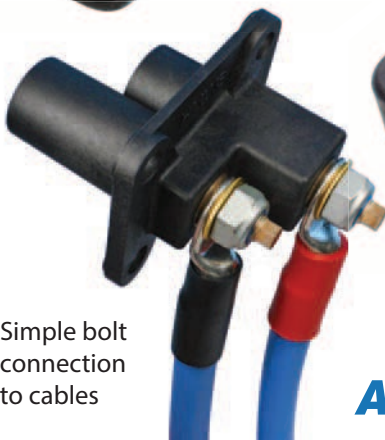
BRACKET

- Simple bolt connection to cables
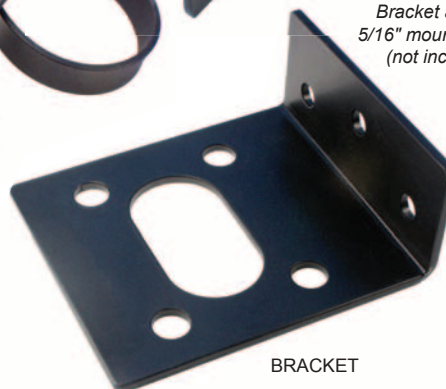
Arctic Ultraflex Blue® Eye to Eye Cables

Fit J1283 Receptacles with **Arctic Ultraflex Blue®** **Eye-to-Eye Cables** for superior conductivity and flexibility.

- Heavy duty 3/8" tin-plated copper lugs on both ends
- Heat shrink seals out corrosion

Negative – Blue cable, black shrink
Positive – Blue cable, red shrink

LIFETIME WARRANTY on manufacturing and materials

Call to customize!

1/0 Gauge		2 Gauge		4 Gauge	
Negative		**Negative**		**Negative**	
Part Number	Length	Part Number	Length	Part Number	Length
SC-1/0-12N	12"	SC-2-12N	12"	SC-4-12N	12"
SC-1/0-18N	18"	SC-2-18N	18"	SC-4-18N	18"
SC-1/0-24N	24"	SC-2-24N	24"	SC-4-24N	24"
SC-1/0-36N	36"	SC-2-36N	36"	SC-4-36N	36"
SC-1/0-48N	48"	SC-2-48N	48"	SC-4-48N	48"
SC-1/0-60N	60"	SC-2-60N	60"	SC-4-60N	60"
Positive		**Positive**		**Positive**	
Part Number	Length	Part Number	Length	Part Number	Length
SC-1/0-12P	12"	SC-2-12P	12"	SC-4-12P	12"
SC-1/0-18P	18"	SC-2-18P	18"	SC-4-18P	18"
SC-1/0-24P	24"	SC-2-24P	24"	SC-4-24P	24"
SC-1/0-36P	36"	SC-2-36P	36"	SC-4-36P	36"
SC-1/0-48P	48"	SC-2-48P	48"	SC-4-48P	48"
SC-1/0-60P	60"	SC-2-60P	60"	SC-4-60P	60"

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME
LIMITED
WARRANTY

1/0 Gauge Arctic Superflex Blue® Clamp to Clamp Cables

Unmatched Performance and Durability
Fast, Reliable Starts in the Coldest Weather

- Our cables contain **considerably** more copper than standard automobile jumper cables
- **Arctic Superflex Blue®** 1/0 gauge jumper cables are made for extreme duty use—mining equipment, small aircraft, extended distances
- Stays super flexible and easy to handle, even in deep cold
- Highly abrasion-resistant jacket stands up to oil, gas, salt, chemicals, sunlight
- Heavy gauge copper clamps with rugged PVC overmolded insulation
- Braided copper bonding strap sends continuous current to both jaws for higher amperage
- Heat shrink provides strain relief and corrosion protection
- Built with UL/CSA listed parts and processes
- **Exceeds** SAE standards

Clamp to Clamp

-55°C TO 105°C

1000 Amp Dual Live Jaw Clamps

Extruded polarity stripe

1/0 Gauge Clamp to Clamp Cables

Part Number	Length	Clamps
JC-1/0-20	20'	1000A
JC-1/0-25	25'	1000A
JC-1/0-30	30'	1000A

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

Our jumper cable clamps are bolted on—not riveted— for easy replacement, and cable ends are heat shrink sealed for a lifetime of trouble-free performance

Polar Wire 1/0 gauge cables include a durable 13.5" x 3.5" nylon canvas bag for easy carrying and convenient storage. Extra wide zippered opening, side pocket, sturdy nylon webbing handles

1/0 Gauge *Arctic Superflex Blue*® Clamp to Harness Cables

Great for Heavy Equipment, Tow Trucks, Fleet Services

- Tough, flexible *Arctic Superflex Blue*® double conductor wire
- *Arctic Ultraflex Blue*® leads
- 1000 Amp heavy gauge clamps
- Braided copper bonding strap energizes both jaws
- Impact-resistant polycarbonate power connectors mate securely
- 3/8" heavy duty copper lugs
- Heat shrink seals out corrosion
- Replaceable clamps and connectors
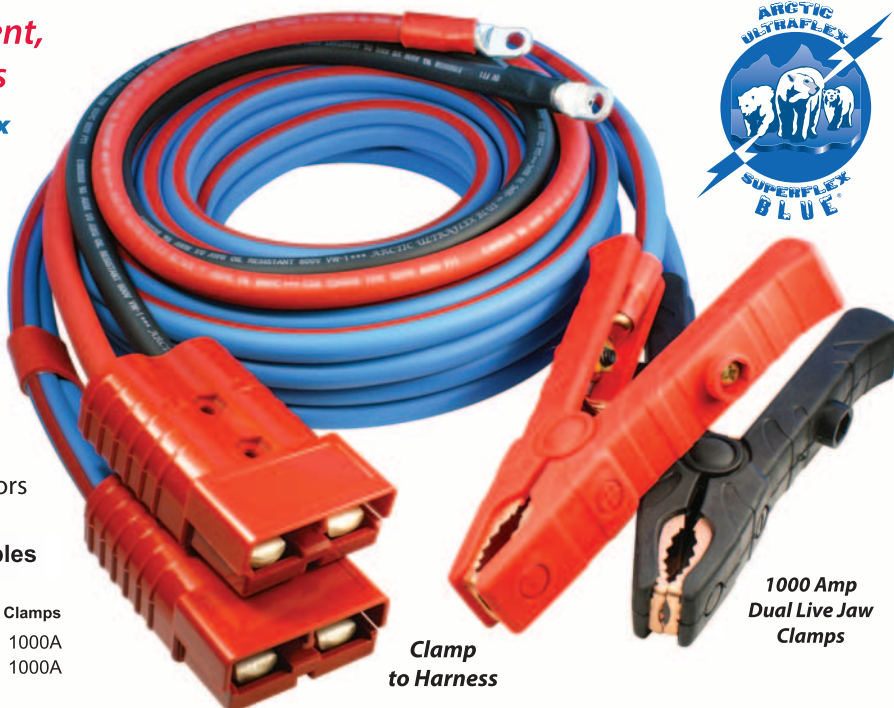
1/0 Gauge Clamp to Harness Cables

Part Number	Length	Harness	Connector	Clamps
JC-1/0-254	25'	4'	350A	1000A
JC-1/0-304	30'	4'	350A	1000A

Clamp to Harness

1000 Amp Dual Live Jaw Clamps

1/0 Gauge *Arctic Superflex Blue*® Harness Components

Expand your fleet and service vehicle booster systems with Polar Wire modular harness system components.

Fit connector cables with harness or clamp adaptors, or add a clamp adaptor to our clamp-to-harness cables for on the fly conversion.

- Solid copper 1000 amp clamps
- Impact-resistant connectors
- *LIFETIME* Limited Warranty on materials and manufacturing

Clamp Adaptor

Connector Cable

1000 Amp Dual Live Jaw Clamps
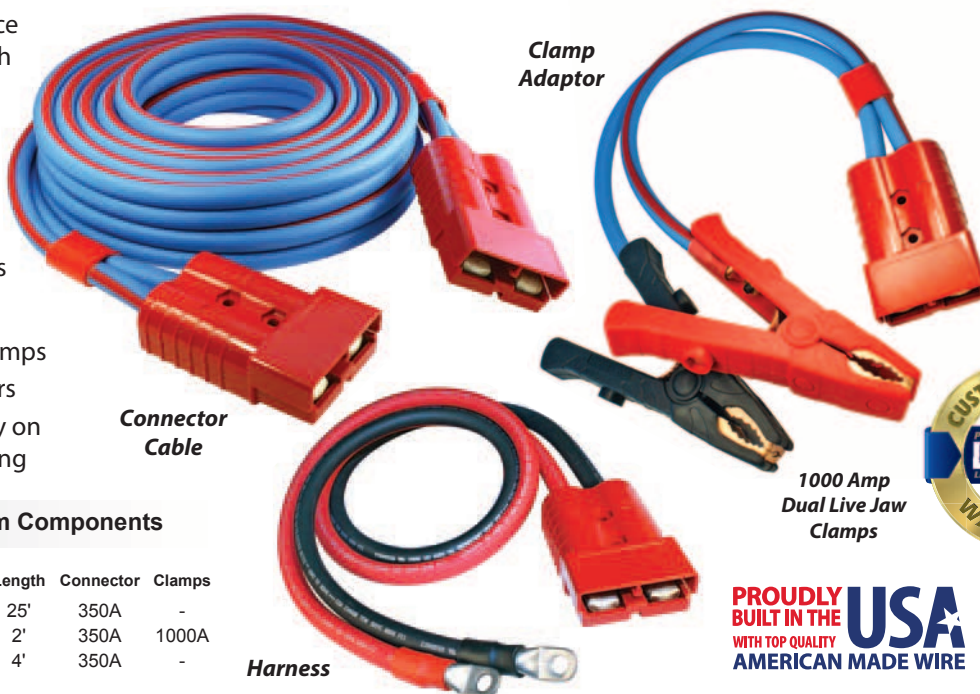
Harness

1/0 Gauge Harness System Components

Part Number	Component	Length	Connector	Clamps
JC-1/0-25DD	Connector Cable	25'	350A	-
JC-1/0-2DC	Clamp Adaptor	2'	350A	1000A
JC-1/0-4D	Harness	4'	350A	-

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

PROUDLY BUILT IN THE USA
WITH TOP QUALITY
AMERICAN MADE WIRE

2 Gauge *Arctic Superflex Blue*® Clamp to Clamp Cables

Powerful — Durable — Reliable — Cost Effective

100% COPPER Clamps, Conductors and Lugs—Absolutely NO ALUMINUM!

PROUDLY BUILT IN THE USA
WITH TOP QUALITY AMERICAN MADE WIRE

- Our cables contain **considerably** more copper than standard automobile jumper cables
- *Arctic Superflex Blue*® 2 gauge jumper cables are ideal for most commercial uses—trucks, tractors, light planes
- Easily repaired
- Built for long life
- Super flexible and easy to handle even in deep cold
- Highly abrasion-resistant jacket stands up to oil, gas, salt, acids, chemicals, sun
- Solid copper clamps transmit more current and outperform copper-plated clamps
- Heat shrink provides strain relief and protection from dirt and corrosion
- Extruded polarity stripe won't wear off
- Built with UL/CSA listed parts and processes
- **Exceeds** SAE standards
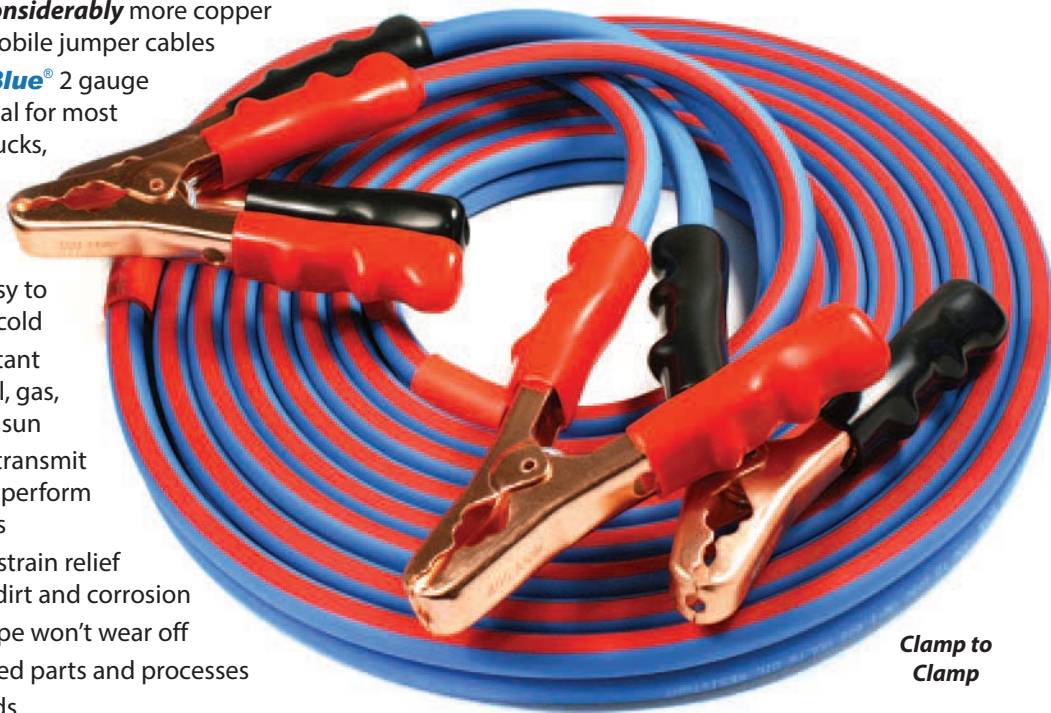
Clamp to Clamp

2 Gauge Clamp to Clamp Cables   -55°C TO 105°C

Part Number	Length	Clamps
JC-2-16	16'	400A
JC-2-20	20'	400A
JC-2-25	25'	400A

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

Our jumper cable clamps are bolted on—not riveted—for easy replacement, and cable ends are shrink sealed for a lifetime of trouble-free performance

Polar Wire 2 gauge Jumper Cables come with a durable 13" x 3" nylon canvas bag for easy carrying and convenient storage
Extra wide zippered opening, side pocket, sturdy nylon webbing handles

2 Gauge *Arctic Superflex Blue*® Clamp to Harness Cables

Equip your service trucks with the finest jumper cables available ANYWHERE!

- *Arctic Superflex Blue*® dual conductor cable
- *Arctic Ultraflex Blue*® harness leads
- Solid copper 400 amp clamps and lugs
- Impact-resistant polycarbonate connectors mate easily and securely
- Heat shrink relieves strain and seals out corrosion
- Stays flexible and tangle free in extreme cold
- *LIFETIME* Limited Warranty on materials and manufacturing

2 Gauge Clamp to Harness Cables

Part Number	Length	Harness	Connector	Clamps
JC-2-164	16'	4'	175A	400A
JC-2-204	20'	4'	175A	400A
JC-2-254	25'	4'	175A	400A
JC-2-304	30'	4'	175A	400A

-55°C TO 105°C

Clamp to Harness

2 Gauge *Arctic Superflex Blue*® Harness Components

Versatile modular components make expanding your fleet and service vehicle booster systems cost effective.

Fit connector cables with harness and clamp adaptors, or add a clamp adaptor to our clamp-to-harness cables for on-the-fly conversion.

Clamp Adaptor

Harness

Connector Cable

2 Gauge Harness System Components

Part Number	Component	Length	Connector	Clamps
JC-2-25DD	Connector Cable	25'	175A	-
JC-2-30DD	Connector Cable	30'	175A	-
JC-2-2DC	Clamp Adaptor	2'	175A	400A
JC-2-4D	Harness	4'	175A	-

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME
LIMITED
WARRANTY

4 Gauge Booster Cables

4 Gauge Arctic Superflex Blue® Clamp to Clamp Cables

Top Quality Jumper Cables for Your Fleet—or Your Family!

100% COPPER Clamps and Conductors—Absolutely NO ALUMINUM!

- **Considerably** more copper than standard auto jumper cables
- **Arctic Superflex Blue®** 4 gauge jumper cables are ideal for cars, pickups, diesels, boat engines
- Stays flexible and tangle free in extreme cold
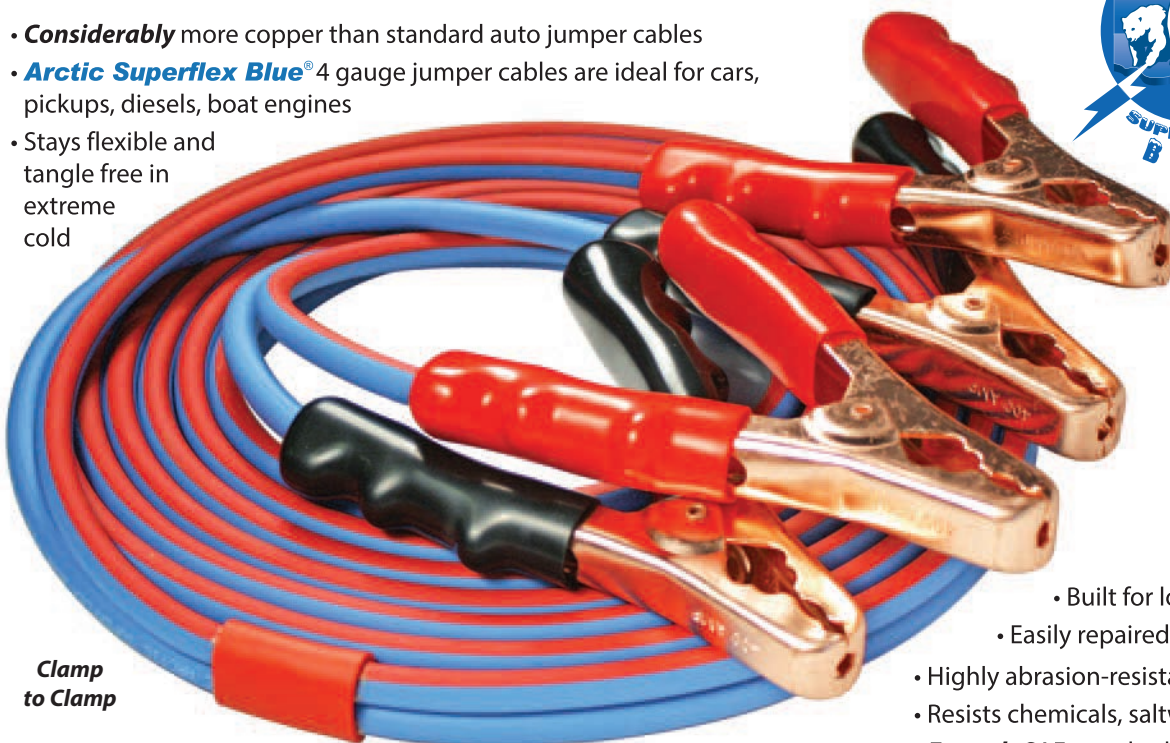
Clamp to Clamp

- Built for long life
- Easily repaired if needed
- Highly abrasion-resistant jacket
- Resists chemicals, saltwater, sun
- **Exceeds** SAE standards

4 Gauge Clamp to Clamp Cables

-55°C TO 105°C

Part Number	Length	Clamps
JC-4-16	16'	400A
JC-4-20	20'	400A
JC-4-25	25'	400A
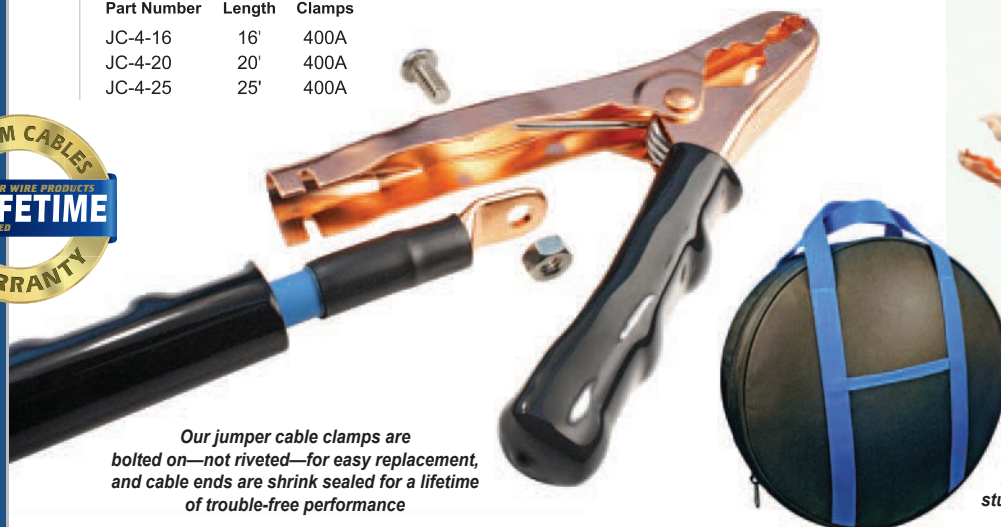
Our jumper cable clamps are bolted on—not riveted—for easy replacement, and cable ends are shrink sealed for a lifetime of trouble-free performance

Polar Wire 4 gauge Jumper Cables come with a durable 13" x 3" nylon canvas bag for easy carrying and convenient storage. Extra wide zippered opening, side pocket, sturdy nylon webbing handles.

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

4 Gauge *Arctic Superflex Blue*® Clamp to Harness Cables

Cold Weather RELIABLE—
Keep Your Vehicles ON THE ROAD!

Ideal for Fleet and Utility Vehicles

- *Arctic Superflex Blue*® parallel bonded double conductor cable
- *Arctic Ultraflex Blue*® red and black harness leads
- Solid copper 400 amp clamps and lugs
- Impact-resistant polycarbonate connectors mate easily, securely
- *LIFETIME* Limited Warranty on materials and manufacturing

4 Gauge Clamp to Harness Cables

Part Number	Length	Harness	Connector	Clamps
JC-4-164	16'	4'	175A	400A
JC-4-204	20'	4'	175A	400A
JC-4-254	25'	4'	175A	400A

Clamp to Harness

-55°C TO 105°C

4 Gauge *Arctic Superflex Blue*® Harness Components

Versatile modular components make expanding your fleet and service vehicle booster systems cost effective.

Fit connector cables with harness and clamp adaptors, or add a clamp adaptor to our clamp-to-harness cables for on-the-fly conversion.

Harness

Clamp Adaptor

4 Gauge Harness System Components

Part Number	Component	Length	Connector	Clamps
JC-4-16DD	Connector Cable	16'	175A	-
JC-4-2DC	Clamp Adaptor	2'	175A	400A
JC-4-4D	Harness	4'	175A	-

Connector Cable

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

PROUDLY BUILT IN THE USA
WITH TOP QUALITY
AMERICAN MADE WIRE

6 Gauge Arctic Superflex Blue® ATV/UTV Jumper Cables

Built to keep your toys going!
MADE WITH TOP QUALITY AMERICAN WIRE — PROVEN IN REMOTE ALASKA

Our 6 and 8 gauge **ATV/UTV Jumper Cables** are made exclusively with **Arctic Superflex Blue®** fine stranded twin wire for unmatched flexibility and durability. Our ATV/UTV jumpers are sized for the smaller batteries used in recreational vehicles and similar equipment.

Strong
- Fast, reliable starts — no wasted time
- 100% copper conductors — NO ALUMINUM!
- Full-length insulated heavy gauge copper clamps
- Solid copper clamps and lugs deliver more current
- Unbeatable extreme cold flexibility to -55°C (-67°F)

Durable
- Tough, flexible jacket resists abrasion, oil, gas, salt water, acids, chemicals, and sunlight
- Heat shrink relieves strain and seals out corrosion
- Extruded polarity stripe won't wear off or fade
- Built to the same rigorous quality standards as our full size **Arctic Superflex Blue®** cables

Cost Effective
- Designed for LONG LIFE
- Bolted-on, replaceable clamps
- **LIFETIME** Limited Warranty

-55°C TO 105°C

Clamp to Clamp

Harness

6 Gauge ATV/UTV Clamp to Clamp

Part Number	Length	Clamps
JC-6-12	12'	100A

6 Gauge ATV/UTV Clamp to Harness

Part Number	Length	Harness	Connector	Clamps
JC-6-102	10'	2'	120A	100A

6 Gauge ATV/UTV Harness

Part Number	Harness	Connector
JC-6-2D	2'	120A

PROUDLY BUILT IN THE USA WITH TOP QUALITY AMERICAN MADE WIRE

Clamp to Harness

8 Gauge *Arctic Superflex Blue*® *ATV/UTV* Jumper Cables

100% Copper Conductors — *Absolutely NO ALUMINUM!*

Sized for the smaller batteries in ATVs, UTVs, motorcycles, scooters, personal watercraft, snowmachines, floor scrubbers, etc.

Clamp to Clamp

Harness

Clamp to Harness

-55°C TO 105°C

Bolt harness onto hard-to-reach batteries for easy, instant access

8 Gauge ATV/UTV Clamp to Clamp

Part Number	Length	Clamps
JC-8-8	8'	100A

8 Gauge ATV/UTV Clamp to Harness

Part Number	Length	Harness	Connector	Clamps
JC-8-61	6'	1'	50A	100A

8 Gauge ATV/UTV Harness

Part Number	Harness	Connector
JC-8-1D	1'	50A
JC-8-2D	2'	50A
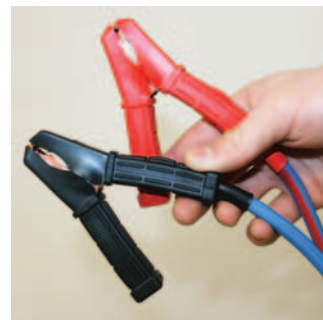
ATV/UTV Jumpers include a sturdy 8" x 2" nylon canvas carrying bag

Extra wide zippered opening, webbing handles

CUSTOM CABLES
LIFETIME
POLAR WIRE PRODUCTS LIMITED
WARRANTY

Replacement Jumper Cable Clamps

Commercial quality, heavy gauge solid copper continuous duty rated **Jumper Cable Clamps** feature bolted connections for fast, secure installation.

1000 Amp Dual Live Jaw
We fit our 1/0 and 3/0 *Arctic Superflex Blue*® jumper cables with these clamps
- Rugged PVC full length overmolded insulation
- Braided copper bonding strap sends continuous current to both jaws for higher amperage
- Heavy spring pressure for strong, secure connections
- Rated to 90°C (194°F)
- 7 1/2" length

1000 Amp
Part Numbers
1000-BLACK
1000-RED

800 Amp
Use with 2 AWG to 1/0 AWG cable
- Thick, insulating vinyl grips
- Strong steel springs hold securely
- Rated to 90°C (194°F)
- 6 3/4" length

800 Amp
Part Numbers
800-BLACK
800-RED

400 Amp
We use these clamps on our 4 and 2 gauge *Arctic Superflex Blue*® jumper cables

- Insulating vinyl handles
- Strong steel springs for solid connections
- 6" length

400 Amp
Part Numbers
400-BLACK
400-RED

100 Amp
Part Numbers
100-BLACK
100-RED

100 Amp
Used on Polar Wire 8 and 6 gauge *Arctic Superflex Blue*® ATV/UTV jumper cables

- Full length vinyl insulation
- Steel springs clamp tightly
- 4 1/2" length

Jumper Cable Bags

Store your **Arctic Superflex Blue**®
Jumper Cables coiled neatly and ready
for use in our rugged cable bags.

• Durable nylon canvas
• Sturdy webbing handles
• Extra wide zippered
  opening

Large 13" x 3" with Side Pocket
Part Number JC-BAG-L
Fits 4 to 2 gauge
Arctic Superflex Blue®
jumper cables up to 25 ft

X-Large
13.5" x 4.5"
with Side Pocket
Part Number JC-BAG-XL
Fits 2 and 1/0 gauge
Arctic Superflex Blue®
jumper cables up to 30 ft

Medium 10" x 2.5"
Part Number
JC-BAG-MED
Fits 6 and 8 gauge
Arctic Superflex Blue®
jumper cables

Small 8" x 2"
Part Number
JC-BAG-SM
Fits 8 gauge
Arctic Superflex Blue®
jumper cables

Protective Power Connector Covers

Rubber Cover

Housing Size	Part Number
BLACK	
350 Amp	STC902-BLK
175 Amp	STC903-BLK
50 Amp	STC904-BLK
RED	
350 Amp	STC902-RED
175 Amp	STC903-RED
50 Amp	STC904-RED

Polycarbonate Cover

Housing Size	Part Number
175 Amp	STC905
350 Amp	STC906

Terminals and Connectors

**Cam Lock
Connectors**
400A, 150A

Page 94

**Plated
Copper Lugs**
1/2", 3/8", 5/16" Stud
1/0, 2, 4, 6, 8 Gauge

Page 46

**Power
Connectors**
350A, 175A,
120A, 50A

Page 92

**J1283
Connectors**
Plug, Receptacle
Cap, Bracket

Page 26

CUSTOM CABLES

We Build Custom Cables!

• Polar Wire manufactures cables using the highest quality materials and parts available

• Single cables to mass production—order the quantities you want!

• Our cables are built using UL/CSA Listed or Recognized components and processes, and quality checked at every step

• We can build your custom cable from our wide inventory of components, for your truck, boat, other application or special need

• If you are uncertain of what you need, contact our knowledgeable staff for help in selecting the right cable for your application

Fast Turnaround • Volume Pricing • American Made Wire

Visit our online store at polarwire.com, stop in, or call to request more information and to order

LIFETIME WARRANTY

We're pretty proud of our cables!

In fact, we're so sure of the excellent quality and workmanship that goes into our prebuilt and custom cables, we've given them a LIFETIME materials and manufacturing warranty. See our website for details.

Look for our warranty seal on covered products and buy with confidence!

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME
LIMITED
WARRANTY
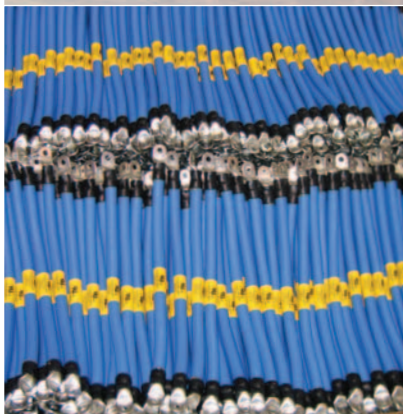
State of the Art Manufacturing for the Industries • Oil and Gas • Mining • Construction Earth Moving • Agriculture • Automotive • Trucking • Towing and Service • Marine Recreation • Renewable Energy • Battery Manufacturers • OEMs and Resellers

Any Gauge, Any Quantity — Made to Your Specifications

Polar Wire manufactures:

Power Cables
Harness Systems
Battery and Inverter Cables
Jumper and Jump Start Cables
Multi-Cable Assemblies
Replacement Cables

PROUDLY BUILT IN THE USA WITH TOP QUALITY AMERICAN MADE WIRE

WE SPECIALIZE IN LARGE GAUGE AND HIGH VOLUME CABLES

Arctic Ultraflex Blue® Eye-to-Eye Cables

Eye-to-Eye Cables are commonly used for *grounds*, *starters*, *inverters*, and *batteries*. Built with Polar Wire's *Arctic Ultraflex Blue®* cable for superior flexibility and unbeatable performance. Fitted with heavy duty 3/8" plated copper eyelet lugs (*page 46*) in negative, positive, and series (negative-to-positive) configurations. Sealed with adhesive shrink for durability and protection.

Negative:
Blue cable, black shrink

Positive:
Blue cable, red shrink

Series:
Blue cable, red shrink on positive end, black shrink on negative end

PROUDLY BUILT IN THE USA
WITH TOP QUALITY AMERICAN MADE WIRE

4 Gauge

Part Number Negative	Positive	Series	Standard Length
SC-4-10N	SC-4-10P	SC-4-10S	10"
SC-4-14N	SC-4-14P	SC-4-14S	14"
SC-4-18N	SC-4-18P	SC-4-18S	18"
SC-4-24N	SC-4-24P		24"
SC-4-29N	SC-4-29P		29"
SC-4-36N	SC-4-36P		36"
SC-4-48N	SC-4-48P		48"
SC-4-60N	SC-4-60P		60"

2/0 Gauge

Part Number Negative	Positive	Series	Standard Length
SC-20-12N	SC-20-12P	SC-20-12S	12"
SC-20-14N	SC-20-14P	SC-20-14S	14"
SC-20-18N	SC-20-18P	SC-20-18S	18"
SC-20-24N	SC-20-24P		24"
SC-20-36N	SC-20-36P		36"
SC-20-48N	SC-20-48P		48"
SC-20-60N	SC-20-60P		60"
SC-20-120N	SC-20-120P		120"
SC-20-180N	SC-20-180P		180"

4/0 Gauge

Part Number Negative	Positive	Standard Length
SC-40-36N	SC-40-36P	36"
SC-40-60N	SC-40-60P	60"
SC-40-72N	SC-40-72N	72"
SC-40-120N	SC-40-120P	120"
SC-40-180N	SC-40-180P	180"

THHW Flexible Golf Cart Cables

Polar Wire Golf Cart Cables are made with our 100% copper (NO ALUMINUM) fine stranded THHW flexible battery cable, for maximum conductivity and performance in heat conditions as high as 221°F!

Our Golf Cart Cables are fitted with Eco-Max® top mount copper battery terminals or heavy copper closed-end lugs, plated against corrosion, and properly sized for the required electrical load.

NO MORE MELTDOWNS from thin, inadequate fittings and inferior wire!

• Exceeds OEM quality and SAE automotive standards
• Rated 600 Volts, designed for 6V batteries in 24 and 36 Volt systems
• Ultra flexible cables install easily in cramped spaces and tight corners

4 Gauge Series Golf Cart Cables

Part Number	Terminals	Length
GC-4-9S-38	3/8" Plated Lugs	9"
GC-4-9S-516	5/16" Plated Lugs	9"
GC-4-9S-TM	Top Mount Terminals	9"
GC-4-12S-38	3/8" Plated Lugs	12"
GC-4-12S-516	5/16" Plated Lugs	12"
GC-4-12S-TM	Top Mount Terminals	12"
GC-4-20S-38	3/8" Plated Lugs	20"
GC-4-20S-516	5/16" Plated Lugs	20"

Series: Black cable, red heat shrink on positive end, black on negative end

Call us to create a custom cable set for your specific golf cart!

Arctic Ultraflex Blue® Battery Terminal Cables

4 Gauge Top Mount

Part Number Negative	Positive	Cable Length
TM-4-10N	TM-4-10P	10"
TM-4-14N	TM-4-14P	14"
TM-4-16N	TM-4-16P	16"
TM-4-20N	TM-4-20P	20"
TM-4-23N	TM-4-23P	23"
TM-4-26N	TM-4-26P	26"
TM-4-28N	TM-4-28P	28"
TM-4-32N	TM-4-32P	32"
TM-4-36N	TM-4-36P	36"
TM-4-42N	TM-4-42P	42"
TM-4-45N	TM-4-45P	45"
TM-4-55N	TM-4-55P	55"

2 Gauge Top Mount

Part Number Negative	Positive	Cable Lengths
TM-2-20N	TM-2-20P	20"
TM-2-25N	TM-2-25P	25"
TM-2-30N	TM-2-30P	30"
TM-2-35N	TM-2-35P	35"
TM-2-40N	TM-2-40P	40"
TM-2-45N	TM-2-45P	45"
TM-2-50N	TM-2-50P	50"
TM-2-55N	TM-2-55P	55"
TM-2-60N	TM-2-60P	60"
TM-2-65N	TM-2-65P	65"
TM-2-70N	TM-2-70P	70"
TM-2-78N	TM-2-78P	78"

2/0 Gauge Top Mount

Part Number Negative	Positive	Cable Lengths
TM-20-18N	TM-20-18P	18"
TM-20-24N	TM-20-24P	24"
TM-20-30N	TM-20-30P	30"
TM-20-36N	TM-20-36P	36"
TM-20-42N	TM-20-42P	42"
TM-20-48N	TM-20-48P	48"
TM-20-54N	TM-20-54P	54"
TM-20-60N	TM-20-60P	60"
TM-20-66N	TM-20-66P	66"
TM-20-72N	TM-20-72P	72"

4 Gauge Top Mount with lead

Part Number Negative	Positive	Cable Lengths
TML-4-15N	TML-4-15P	15"
TML-4-19N	TML-4-19P	19"
TML-4-25N	TML-4-25P	25"
TML-4-29N	TML-4-29P	29"
TML-4-36N	TML-4-36P	36"
TML-4-38N	TML-4-38P	38"
TML-4-45N	TML-4-45P	45"
TML-4-50N	TML-4-50P	50"
TML-4-55N	TML-4-55P	55"
TML-4-68N	TML-4-68P	68"
TML-4-78N	TML-4-78P	78"

4 Gauge Side Mount with lead

Part Number Negative	Positive	Cable Lengths
SML-4-20N	SML-4-20P	20"
SML-4-25N	SML-4-25P	25"
SML-4-30N	SML-4-30P	30"
SML-4-35N	SML-4-35P	35"
SML-4-40N	SML-4-40P	40"
SML-4-45N	SML-4-45P	45"
SML-4-50N	SML-4-50P	50"
SML-4-55N	SML-4-55P	55"
SML-4-60N	SML-4-60P	60"
SML-4-65N	SML-4-65P	65"

2 Gauge Side Mount with lead

Part Number Negative	Positive	Cable Lengths
SML-2-20N	SML-2-20P	20"
SML-2-25N	SML-2-25P	25"
SML-2-30N	SML-2-30P	30"
SML-2-35N	SML-2-35P	35"
SML-2-40N	SML-2-40P	40"
SML-2-45N	SML-2-45P	45"
SML-2-50N	SML-2-50P	50"
SML-2-55N	SML-2-55P	55"
SML-2-60N	SML-2-60P	60"
SML-2-65N	SML-2-65P	65"
SML-2-70N	SML-2-70P	70"
SML-2-78N	SML-2-78P	78"

Polar Wire Battery Cables are stocked in our most popular styles and sizes to save you time and money. We build our battery cables with *Arctic Ultraflex Blue*® Arctic grade wire and Eco-Max® plated copper battery terminals *(page 54)* in color coded negative to negative and positive to positive configurations.

LIFETIME WARRANTY on manufacturing and materials.

Standard 12" lead is 12 AWG tinned *Arctic Ultraflex Blue*® wire.

Standard color configurations

Negative: Blue cable, black heat shrink, black lead
Positive: Blue cable, red heat shrink, red lead

Go Ahead, Be Different!

You are not limited to our standard colors and lengths. We can make your cables in the specific configurations you need.

Special volume pricing—call us!

PROUDLY BUILT IN THE **USA** WITH TOP QUALITY **AMERICAN MADE WIRE**

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

Top Mount Terminal

Side Mount Terminal

Precut Heat Shrink Tubing

Adhesive lined heat shrink in precut lengths of 3/4 and 1 1/2 inches.

3 to 1 shrink ratio is ideal for sealing battery cable ends against corrosion.

Medium Duty Precut Adhesive Heat Shrink

Part Number	Color	Diameter	Length	Wire Sizes
HS-0375-RD-.75	Red	3/8"	3/4"	8 – 1 AWG
HS-0375-BK-.75	Black	3/8"	3/4"	8 – 1 AWG
HS-0500-RD-1.5	Red	1/2"	1 1/2"	8 – 1 AWG
HS-0500-BK-1.5	Black	1/2"	1 1/2"	8 – 1 AWG
HSRED	Red	3/4"	1 1/2"	8 – 1 AWG
HSBLK	Black	3/4"	1 1/2"	8 – 1 AWG
HSRED-1	Red	1"	1 1/2"	1/0 – 4/0 AWG
HSBLK-1	Black	1"	1 1/2"	1/0 – 4/0 AWG

Heavy Duty Precut Adhesive Heat Shrink

Part Number	Color	Diameter	Length	Wire Sizes
HSREDHD	Red	3/4"	1 1/2"	8 – 1 AWG
HSBLKHD	Black	3/4"	1 1/2"	8 – 1 AWG
HSREDHD-1	Red	1"	1 1/2"	1/0 – 4/0 AWG
HSBLKHD-1	Black	1"	1 1/2"	1/0 – 4/0 AWG

3 to 1 shrink ratio

RoHS compliant

-55°C TO 110°C

Heavy Wall Heat Shrink Tubing

Heavy wall adhesive lined heat shrink tubing is impact, abrasion, corrosion, and chemical resistant. Provides mechanical protection, insulation and strain relief for electrical connections and components.

Features

- 4-foot lengths*
- Adhesive lined crosslinked polyolefin
- Seals out water and dirt
- High 3 to 1 shrink ratio
- Halogen Free
- SAE, REACH, RoHS compliant
- -55°C to 110°C continuous operating temperature
- 120°C shrink temperature

Applications

- Ideal for insulation of electrical splices, cable terminations, and electrical connections
- Adhesive liner bonds to a variety of materials including plastics, rubbers, and metals
- Seals and protects components from moisture and corrosion
- 3:1 shrink ratio covers a broad range of applications in fewer sizes

Approvals and Compliance

- VW1 Flame Retardant
- RoHS Compliant
- Halogen Free
- UL 224
- SAE
- REACH

-55°C TO 110°C
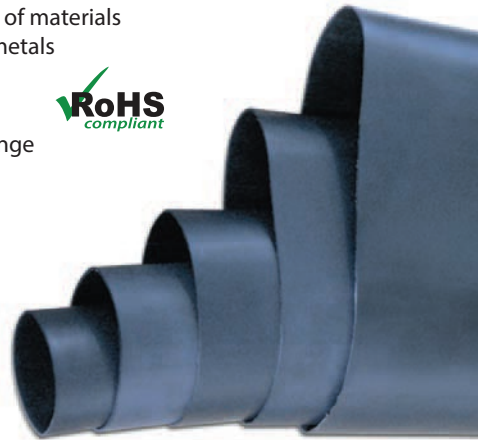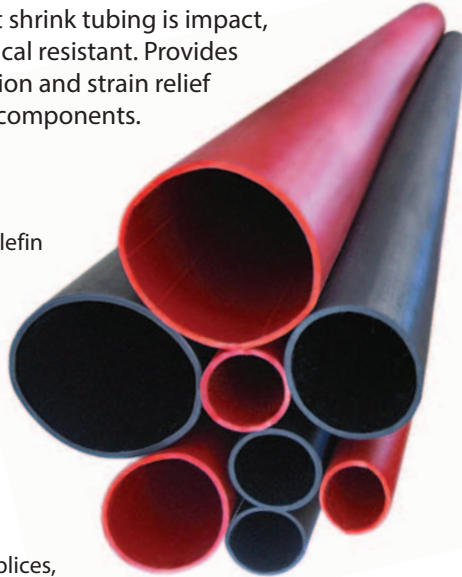
Technical Data

PROPERTY	TYPICAL VALUE
Shrink Ratio	>3 to 1
Operating Temperature	-55°C ~ 125°C
Tensile Strength	14.5 MPa
Ultimate Elongation	≥450%
Tensile Strength After Aging	13.5 MPa
Ultimate Elongation After Aging	400%
Concentricity	70
Longitudinal Shrinkage	5
Dielectric Strength	≥21kV/mm
Cracking Resistance	No Cracking
ADHESIVE	
Water Absorptivity	0.15%
Softening Point	85°C
Peel Strength	8N/25mm
Copper Stability	Pass
Antibacterial Property	Pass

Sizes for Arctic Ultraflex Blue® Wire

AUF WIRE GAUGE	AUF WIRE DIAMETER	RECOMMENDED HD SHRINK SIZE
18 AWG	0.105"	1/3"
16 AWG	0.118"	1/3"
14 AWG	0.130"	1/3"
12 AWG	0.150"	1/3"
10 AWG	0.180"	1/3"
8 AWG	0.240"	1/2"
6 AWG	0.310"	3/4"
4 AWG	0.360"	3/4"
2 AWG	0.430"	3/4"
1 AWG	0.495"	3/4"
1/0 AWG	0.550"	3/4"
2/0 AWG	0.600"	1"
3/0 AWG	0.650"	1"
4/0 AWG	0.710"	1 1/2"
250 MCM	0.875"	1 1/2"
350 MCM	1.010"	2"
500 MCM	1.220"	2"

48" Heavy Wall Adhesive Lined Crosslinked Polyolefin Heat Shrink*

Heavy Wall Shrink Size	Part Number BLACK	Part Number RED	Expanded Min. Internal Diameter (D) IN.	MM	Recovered Max. Internal Diameter (d) IN.	MM	Recovered Nominal Wall Thickness (w) IN.	MM
1/3"	HSHD-0350-BK	HSHD-0350-RD	0.35	9.0	0.12	3.0	0.08	2.0
1/2"	HSHD-0500-BK	HSHD-0500-RD	0.51	13.0	0.16	4.0	0.09	2.4
3/4"	HSHD-0750-BK	HSHD-0750-RD	0.75	19.0	0.20	5.0	0.10	2.5
1"	HSHD-1100-BK	HSHD-1100-RD	1.30	33.0	0.31	8.0	0.13	3.2
1 1/2"	HSHD-1500-BK	HSHD-1500-RD	1.57	40.0	0.47	12.0	0.16	4.0
2"	HSHD-2000-BK	-	2.17	55.0	0.63	16.0	0.16	4.0
2 3/4"	HSHD-2700-BK	-	2.95	75.0	0.87	22.0	0.16	4.0
3 1/2"	HSHD-3500-BK	-	3.74	95.0	1.18	30.0	0.17	4.2
4 1/2"	HSHD-4700-BK	-	4.53	115.0	1.34	34.0	0.17	4.2
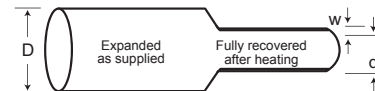
Ordering Guidelines

Our 3:1 ratio shrink is ideal for covering both regular and irregular shapes. For the best balance of recovered wall thickness and adhesive sealant performance, choose a size with an expanded diameter (D) that is about twice the largest diameter of the part to be covered.

*To significantly reduce shipping cost, 48" heavy wall heat shrink is shipped as four 1 foot lengths

Dual Wall Heat Shrink Tubing

Dual wall adhesive lined heat shrink tubing with environmental sealing capability is ideal for a variety of applications including automotive and marine wire harness bundles, industrial splices, breakouts, and connector to cable transitions.

Features

- Flame retardant and flexible
- Superior sealing against water and contaminants
- High 3 to 1 shrink ratio allows for coverage of irregularly shaped connectors and components
- Inner adhesive bonds to plastics, rubber, copper, steel, neoprene, and polyethylene
- Shrink temperature: 120°C
- Continuous operating temperature: -55°C to 110°C

Applications

-55°C TO 110°C

- Industrial, electronic, and automotive OEM approvals
- Environmental sealing and strain relief of connectors and terminals
- Moisture sealing and electrical insulation of simple inline splices
- Abrasion resistance for tubes and pipes
- Repair of damaged wire harnesses

RoHS *compliant*

Ordering Guidelines

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

12" Cut Length

Part Number	Diameter	Color
HS-0125-BK-12	1/8"	● Black
HS-0125-CL-12	1/8"	○ Clear
HS-0125-RD-12	1/8"	● Red
HS-0187-BK-12	3/16"	● Black
HS-0187-CL-12	3/16"	○ Clear
HS-0187-RD-12	3/16"	● Red
HS-0250-BK-12	1/4"	● Black
HS-0250-CL-12	1/4"	○ Clear
HS-0250-RD-12	1/4"	● Red
HS-0375-BK-12	3/8"	● Black
HS-0375-CL-12	3/8"	○ Clear
HS-0375-RD-12	3/8"	● Red
HS-0500-BK-12	1/2"	● Black
HS-0500-CL-12	1/2"	○ Clear
HS-0500-RD-12	1/2"	● Red
HS-0750-BK-12	3/4"	● Black
HS-0750-CL-12	3/4"	○ Clear
HS-0750-RD-12	3/4"	● Red
HS-1000-BK-12	1"	● Black
HS-1000-CL-12	1"	○ Clear
HS-1000-RD-12	1"	● Red

48" Cut Length

Part Number	Diameter	Color
HS-0125-BK-48	1/8"	● Black
HS-0125-CL-48	1/8"	○ Clear
HS-0125-RD-48	1/8"	● Red
HS-0187-BK-48	3/16"	● Black
HS-0187-BL-48	3/16"	● Blue
HS-0187-CL-48	3/16"	○ Clear
HS-0187-GR-48	3/16"	● Green
HS-0187-RD-48	3/16"	● Red
HS-0187-WT-48	3/16"	○ White
HS-0187-YL-48	3/16"	● Yellow
HS-0250-BK-48	1/4"	● Black
HS-0250-BN-48	1/4"	● Brown*
HS-0250-OR-48	1/4"	● Orange*
HS-0250-BL-48	1/4"	● Blue
HS-0250-CL-48	1/4"	○ Clear
HS-0250-GR-48	1/4"	● Green
HS-0250-RD-48	1/4"	● Red
HS-0250-WT-48	1/4"	○ White
HS-0250-YL-48	1/4"	● Yellow
HS-0375-BK-48	3/8"	● Black
HS-0375-BL-48	3/8"	● Blue
HS-0375-CL-48	3/8"	○ Clear
HS-0375-GR-48	3/8"	● Green
HS-0375-RD-48	3/8"	● Red
HS-0375-WT-48	3/8"	○ White
HS-0375-YL-48	3/8"	● Yellow
HS-0500-BK-48	1/2"	● Black
HS-0500-BL-48	1/2"	● Blue
HS-0500-CL-48	1/2"	○ Clear
HS-0500-GR-48	1/2"	● Green
HS-0500-RD-48	1/2"	● Red
HS-0500-WT-48	1/2"	○ White
HS-0500-YL-48	1/2"	● Yellow
HS-0750-BK-48	3/4"	● Black
HS-0750-BL-48	3/4"	● Blue
HS-0750-CL-48	3/4"	○ Clear
HS-0750-GR-48	3/4"	● Green
HS-0750-RD-48	3/4"	● Red
HS-0750-WT-48	3/4"	○ White
HS-0750-YL-48	3/4"	● Yellow
HS-1000-BK-48	1"	● Black
HS-1000-BL-48	1"	● Blue
HS-1000-CL-48	1"	○ Clear
HS-1000-GR-48	1"	● Green
HS-1000-RD-48	1"	● Red
HS-1000-WT-48	1"	○ White
HS-1000-YL-48	1"	● Yellow
HS-1250-BK-48	1 1/4"	● Black
HS-1250-RD-48	1 1/4"	● Red
HS-1500-BK-48	1 1/2"	● Black
HS-1500-BL-48	1 1/2"	● Blue
HS-1500-CL-48	1 1/2"	○ Clear
HS-1500-GR-48	1 1/2"	● Green
HS-1500-RD-48	1 1/2"	● Red
HS-1500-WT-48	1 1/2"	○ White
HS-1500-YL-48	1 1/2"	● Yellow

Special Order

Dual Wall Adhesive Lined Crosslinked Polyolefin*

Part Number	Size	AS SUPPLIED Minimum Inside Diameter (D) in.	mm	Nominal Wall Thickness in.	mm	AFTER RECOVERY Maximum Inside Diameter (d) in.	mm	Total Nominal Wall Thickness (w) in.	mm	Nominal Adhesive Wall in.	mm	Standard Lengths in.
HS-0125	1/8"	0.126	3.2	0.016	0.40	0.039	1.0	0.033	0.85	0.014	0.35	12, 48
HS-0187	1/16"	0.185	4.7	0.016	0.40	0.059	1.5	0.041	1.05	0.018	0.45	12, 48
HS-0250	1/4"	0.252	6.4	0.018	0.45	0.079	2.0	0.043	1.10	0.018	0.45	12, 48
HS-0375	3/8"	0.370	9.4	0.024	0.60	0.118	3.0	0.057	1.45	0.018	0.45	12, 48
HS-0500	1/2"	0.500	12.7	0.024	0.60	0.157	4.0	0.059	1.50	0.018	0.45	12, 48
HS-0750	3/4"	0.748	19.0	0.030	0.75	0.236	6.0	0.079	2.00	0.026	0.65	12, 48
HS-1000	1"	0.992	25.2	0.030	0.75	0.331	8.4	0.079	2.00	0.026	0.65	12, 48
HS-1250	1 1/4"	1.181	30.0	0.031	0.80	0.394	10.0	0.087	2.20	0.030	0.75	48
HS1500	1 1/2"	1.570	39.9	0.033	0.85	0.593	13.7	0.098	2.50	0.039	1.00	48

Dual Wall Heat Shrink Packs

3 to 1 ratio adhesive lined heat shrink packaged in a variety of sizes of red or black, or by size in a mix of colors.

Dual Wall Size Variety Packs

Part Number	Diameter Mix	Color
HS-BLACK-PKG	1/8" to 3/4"	● Black
HS-RED-PKG	1/8" to 3/4"	● Red

Dual Wall Color Mix Packs

Part Number	Diameter	Color Mix
HS-250-PKG	1/4"	● Black
HS-375-PKG	3/8"	○ White
HS-500-PKG	1/2"	● Red
HS-750-PKG	3/4"	● Green
		○ Clear
		● Blue
		● Yellow

RoHS compliant

Various Sizes
- 10 pieces in 12" lengths
- 2 each of 1/8", 1/4", 3/8", 1/2", 3/4"

Mixed Colors
- 10 pieces in 12" lengths
- 2 each of black, red, and clear
- 1 each of yellow, green, blue, white

-55℃ TO 110℃

Heavy Wall Shrink Packs

3 to 1 ratio heavy duty adhesive lined shrink in various sizes of red or black, or in single size, 2-color packages.

Heavy Wall Size Variety Packs

Part Number	Diameter Mix	Color
HSHD-BLACK-PKG	1/3" to 1"	● Black
HSHD-RED-PKG	1/3" to 1"	● Red

Heavy Wall Black/Red Packs

Part Number	Diameter	Color Mix
HSHD-350-PKG	1/3"	● Black
HSHD-500-PKG	1/2"	● Red
HSHD-750-PKG	3/4"	
HSHD-1100-PKG	1"	

Various Sizes
- 10 pieces in 12" lengths
- 3 each of 1/3", 1/2", and 3/4"
- 1 of 1"

RoHS compliant

2-Color Black/Red Packs
- 4 pieces in 12" lengths
- 2 red and 2 black

-55℃ TO 110℃

Mixed Precut Shrink Pack

Precut Mix
- 3/4" x 1 1/2" medium duty: 10 black and 10 red
- 3/4" x 1 1/2" heavy duty: 6 black and 6 red
- 1" x 1 1/2" heavy duty: 6 black and 6 red
- 2" x 2" heavy duty: 2 black and 2 red
- 1 1/2" x 1 1/2" heavy duty: 4 pieces white

Precut Size and Color Mix Pack

Part Number	Diameter Mix	Color Mix
HSHD-1.5-PKG	3/4" to 2"	● Black
		● Red
		○ White

Custom Heat Shrink Variety Packs

Need specific types, colors, or sizes? We configure custom variety packs with the shrinks you use most. Give us a call!

Eyelet Lugs 8 – 6 AWG

Heavy-Duty Closed-End Crimpable Eyelet Lugs are designed for electrical and industrial applications such as welding equipment, forklifts, generators, power distribution equipment, motors and other products. Manufactured of pure electrolytic copper. Available for 8 AWG to 250 MCM wire and cable with a variety of stud sizes.

Features

• Sized for fine stranded wire
• Deep drawn eyelet style
• 600 Volts, 90°C
• UL Listed, CSA Certified
• Crimps in industry standard tooling
• Seamless barrel design*
• Can be easily soldered or crimped
• Flared barrel entry for easy wire insertion
• Tin plating for corrosion resistance
• Seamless pads prevent wicking*
• AWG wire size identification on barrel
• 100% conductivity—made of CDA-110 copper
• Economically priced

* Certain "wide pad" terminals will have a seam, but maintain a constant wall thickness.

Color coding, sight holes, 45° and 90° angles available upon request. Minimums may apply.
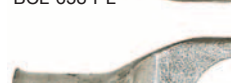
Plated Lug Service Kit available—see page 89

8 AWG / 8 FLEX	
Part Number	**Stud Size**
BCL-810-PL	#10
BCL-814-PL	1/4
BCL-8516-PL	5/16
BCL-838-PL	3/8
BCL-812-PL	1/2

🔴 Crimp die color code: red

6 AWG / 6 FLEX	
Part Number	**Stud Size**
BCL-610-PL	#10
BCL-614-PL	1/4
BCL-6516-PL	5/16
BCL-638-PL	3/8
BCL-612-PL	1/2

🔵 Crimp die color code: blue
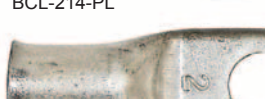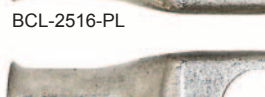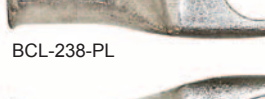
Eyelet Lugs 4 – 1 AWG

4 AWG / 4 FLEX

Part Number	Stud Size
BCL-410-PL	#10
BCL-414-PL	1/4
BCL-4516-PL	5/16
BCL-438-PL	3/8
BCL-412-PL	1/2
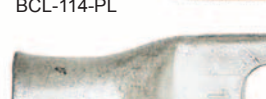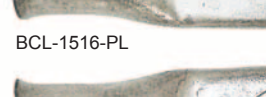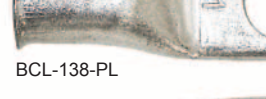
Crimp die color code: gray

2 AWG / 2 FLEX

Part Number	Stud Size
BCL-214-PL	1/4
BCL-2516-PL	5/16
BCL-238-PL	3/8
BCL-212-PL	1/2

Crimp die color code: brown

1 AWG / 1 FLEX

Part Number	Stud Size
BCL-114-PL	1/4
BCL-1516-PL	5/16
BCL-138-PL	3/8
BCL-112-PL	1/2

Crimp die color code: green

Butt Splices 8 – 1 AWG

8 – 1 AWG

Part Number	BCL-8	BCL-6	BCL-4	BCL-2	BCL-1
Wire Size	8 AWG	6 AWG	4 AWG	2 AWG	1 AWG

Parts shown approximately actual size

Eyelet Lugs 1/0 – 3/0 AWG

1/0 AWG / 1/0 Flex

Part Number	Stud Size
BCL-1014-PL	1/4
BCL-10516-PL	5/16
BCL-1038-PL	3/8
BCL-1012-PL	1/2

● Crimp die color code: pink*

*Color coding, sight holes, 45° and 90° angles available upon request. Minimums may apply.

2/0 AWG / 2/0 Flex

Part Number	Stud Size
BCL-2014-PL	1/4
BCL-20516-PL	5/16
BCL-2038-PL	3/8
BCL-2012-PL	1/2

● Crimp die color code: black*

3/0 AWG / 3/0 Flex

Part Number	Stud Size
BCL-3014-PL	1/4
BCL-30516-PL	5/16
BCL-3038-PL	3/8
BCL-3012-PL	1/2

● Crimp die color code: orange*

Butt Splices 1/0 – 4/0 AWG

4/0 – 1/0 AWG

Part Number	BCL-1/0	BCL-2/0	BCL-3/0	BCL-4/0
Wire Size	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG

Parts shown approximately actual size

Eyelet Lugs 4/0 – 250 MCM AWG

4/0 AWG / 4/0 Flex

Part Number	Stud Size
BCL-4014-PL	1/4
BCL-40516-PL	5/16
BCL-4038-PL	3/8
BCL-4012-PL	1/2

🟣 Crimp die color code: purple*

Parts shown actual size

250 MCM AWG / 250 MCM Flex

Part Number	Stud Size
BCL-25038-PL	3/8
BCL-25012-PL	1/2
BCL-25058-PL	5/8

🟡 Crimp die color code: yellow*

Plated Lug Service Kit available—see page 89

600V VW-1 . . . ARCTIC ULTRAFLEX BLUE
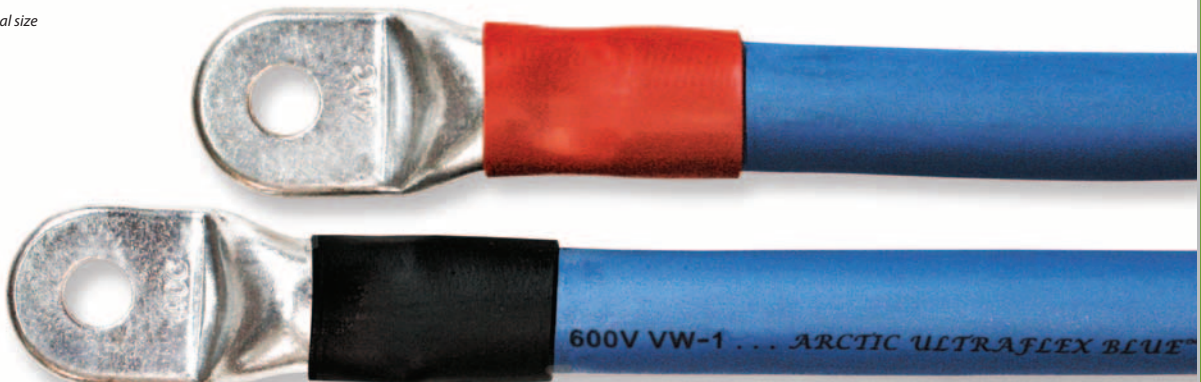
Power Lugs and Splices
Tin plated copper

Power Lugs 8 – 2/0 AWG 600 Volts

8 AWG

Part Number	Stud Size
PL-814	1/4
PL-8516	5/16
PL-838	3/8
PL-812	1/2

● Color code: red

6 AWG

Part Number	Stud Size
PL-614	1/4
PL-6516	5/16
PL-638	3/8
PL-612	1/2

● Color code: blue

1/0 AWG

Part Number	Stud Size
PL-10516	5/16
PL-1038	3/8
PL-1012	1/2

● Color code: black

4 AWG

Part Number	Stud Size
PL-410	10
PL-414	1/4
PL-4516	5/16
PL-438	3/8
PL-412	1/2

● Color code: gray

1 – 2 AWG

Part Number	Stud Size
PL-114	1/4
PL-1516	5/16
PL-138	3/8
PL-112	1/2

● Color code: pink

2/0 AWG

Part Number	Stud Size
PL-20516	5/16
PL-2038	3/8
PL-2012	1/2

● Color code: orange

Power Lugs 3/0 – 4/0 AWG 600 Volts

Compared to standard tube lugs of the same cable gauge, **Power Lugs** have a wider and thicker pad and 80% heavier wall. Power Lugs are stronger, more conductive, and more dependable.

Power Lug

Standard Lug

3/0 AWG

Part Number	Stud Size
PL-30516	5/16
PL-3038	3/8
PL-3012	1/2

● Color code: purple

4/0 AWG

Part Number	Stud Size
PL-40516	5/16
PL-4038	3/8
PL-4012	1/2

● Color code: yellow

Power Splices 8 – 4/0 AWG 50 Volt Rated

8 – 4/0 AWG

Part Number	PS-8	PS-6	PS-4	PS-1	PS-1/0	PS-2/0	PS-3/0	PS-4/0
Wire Size	8 AWG	6 AWG	4 AWG	1 – 2 AWG	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG

Parts shown approximately actual size

Anti-Rotational Power Terminals 1 – 4/0 AWG

Tin Plated Copper

Part Number	PT-4	PT-1	PT-10	PT-20	PT-30	PT-40
Wire Size	4 AWG	1-2 AWG	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG

Anti-Rotational Flag Power Splices 1/0 – 4/0 AWG

Tin Plated Copper

Part Number	PTD-10	PTD-20	PTD-30	PTD-40
Wire Size	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG

Plated Stud Top / Side Mount 4 – 4/0 AWG

Straight   Universal Polarity

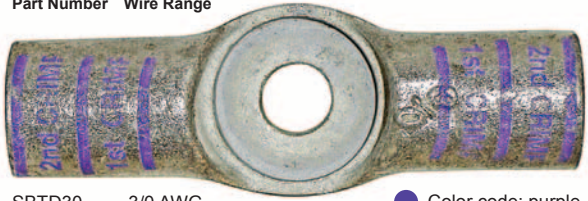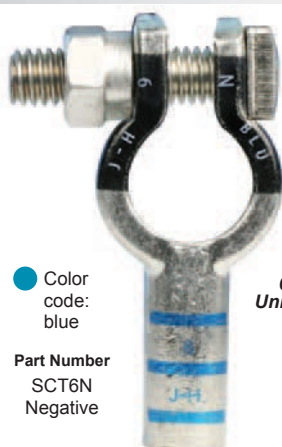| Part Number	SBTT4	SBTT1	SBTT10	SBTT20	SBTT30	SBTT40
Wire Range	4 AWG	1-2 AWG	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG

Double Splice   Universal Polarity

Part Number   Wire Range
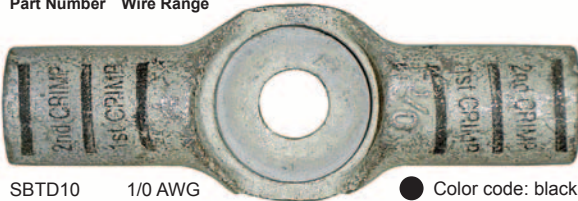
SBTD10   1/0 AWG   ● Color code: black

SBTD20   2/0 AWG   ● Color code: orange

Part Number   Wire Range

SBTD30   3/0 AWG   ● Color code: purple

SBTD40   4/0 AWG   ● Color code: yellow

Stackable 2/0 AWG

Straight   Universal Polarity

Part Number   Wire Range

SBTS20   2/0 AWG

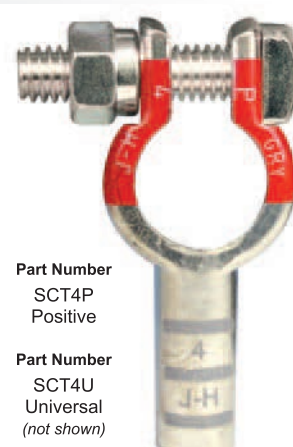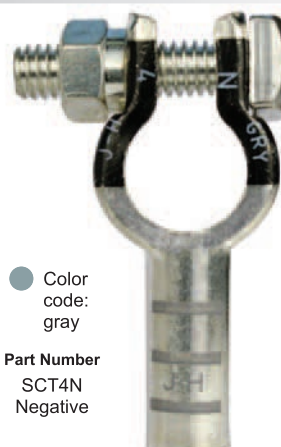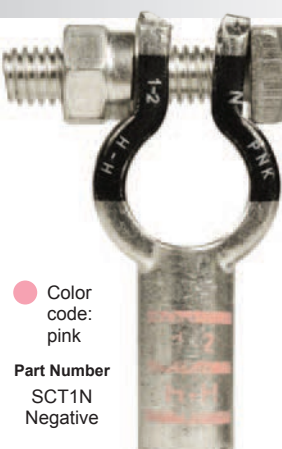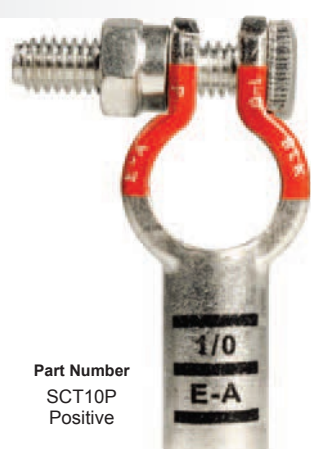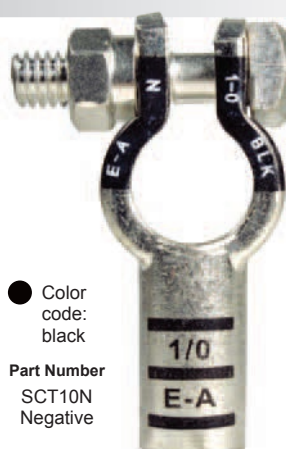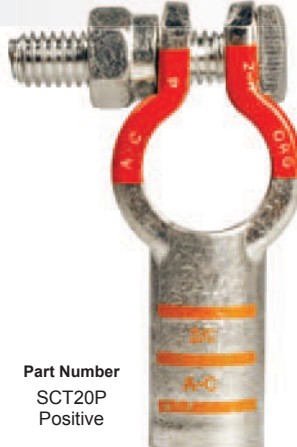**Double Splice**   Universal Polarity

Part Number   Wire Range

SBTSD20   2/0 AWG   ● Color code: orange

Parts shown approximately actual size

Eco-Max® Straight Terminals 6 – 4/0 AWG

6 AWG

● Color code: blue

Part Number
SCT6N
Negative

6 AWG Plated Universal available on page 56

Part Number
SCT6P
Positive

4 AWG

● Color code: gray

Part Number
SCT4N
Negative

Part Number
SCT4P
Positive

Part Number
SCT4U
Universal
(not shown)

1-2 AWG

● Color code: pink

Part Number
SCT1N
Negative

Part Number
SCT1P
Positive

1/0 AWG

● Color code: black

Part Number
SCT10N
Negative

Part Number
SCT10P
Positive

2/0 AWG

● Color code: orange

Part Number
SCT20N
Negative

Part Number
SCT20P
Positive

3/0 AWG

● Color code: purple

Part Number
SCT30N
Negative

Part Number
SCT30P
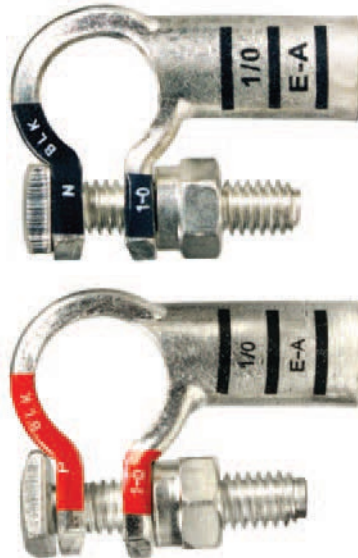Positive

Eco-Max® Left Elbows 1/0 – 4/0 AWG

Environmentally friendly **ECO-MAX®**
100% Copper Battery Terminals
are made with best quality C11000
ETP copper for high conductivity.

• 100% C11000 ETP copper
• Chamfered barrel
• Max conductivity: 101% IACS at 68°F
• Tinned for corrosion resistance
• Lead-free and RoHS compliant
• Tinned steel nut and bolt
• Color and die coded
• Exceeds SAE Standard J-1811

RoHS compliant

1/0 AWG Left

	Color code: black	Part Number	Polarity
		SCTL10N	Negative
		SCTL10P	Positive

2/0 AWG Left

	Color code: orange	Part Number	Polarity
		SCTL20N	Negative
		SCTL20P	Positive

4/0 AWG

Color code: yellow

Part Number
SCT40N
Negative

Part Number
SCT40P
Positive

3/0 AWG Left

	Color code: purple	Part Number	Polarity
		SCTL30N	Negative
		SCTL30P	Positive

4/0 AWG Left

	Color code: yellow	Part Number	Polarity
		SCTL40N	Negative
		SCTL40P	Positive

Parts shown approximately actual size

Eco-Max® Right Elbows 1/0 – 4/0 AWG

1/0 AWG Right

● Color code: black	Part Number	Polarity
	SCTR10N	Negative
	SCTR10P	Positive

2/0 AWG Right

● Color code: orange	Part Number	Polarity
	SCTR20N	Negative
	SCTR20P	Positive

3/0 AWG Right

● Color code: purple	Part Number	Polarity
	SCTR30N	Negative
	SCTR30P	Positive

Plated 6 AWG, Plated Elbows 1-2 AWG

Plated Battery Terminals are sand cast 131 Contact Copper Alloy, the highest rated copper for electrical parts.
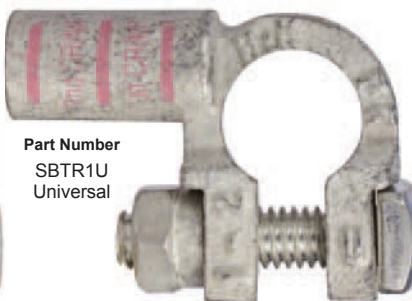
- 100% machine finished, no silicon
- Tin/lead bath plated for conductivity, corrosion resistance
- Embossed gauge, polarity, and tool die codes assure legibility
- Color coded crimp markings
- Flat end drilled to eliminate hot spots
- Nut and bolt included

Part Number
SBT6U
Universal
(not color coded)

Part Number
SBTL1U
Universal

Part Number
SBTR1U
Universal

● Color code: pink

4/0 AWG Right

● Color code: yellow	Part Number	Polarity
	SCTR40N	Negative
	SCTR40P	Positive

Eco-Max® Flag Terminals 1/0 – 4/0 AWG

1/0 AWG

● Color code:
black
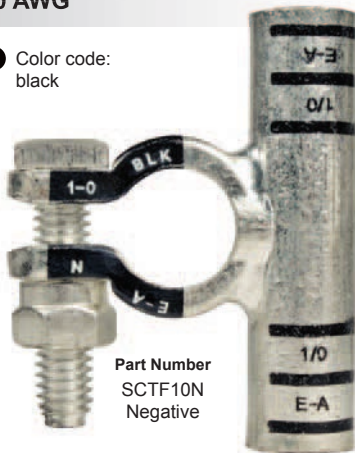
Part Number
SCTF10N
Negative

Part Number
SCTF10P
Positive

2/0 AWG

● Color code:
orange

Part Number
SCTF20N
Negative

Part Number
SCTF20P
Positive

3/0 AWG

● Color code:
purple

Part Number
SCTF30N
Negative
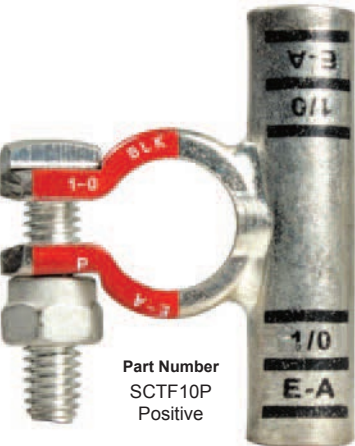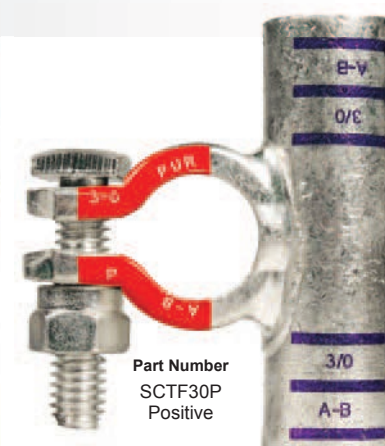
Part Number
SCTF30P
Positive

4/0 AWG

● Color code:
yellow

Part Number
SCTF40N
Negative

Part Number
SCTF40P
Positive

**Environmentally Friendly
Copper Terminals**

*Battery Terminal
Service Kits available
See page 89*

Parts shown approximately actual size

Marine Battery Terminals

Marine Battery Terminals provide the threaded post needed to connect ring terminated cables to standard top mount dual post batteries for marine applications or other special uses.

Terminals are supplied with wing nuts to allow cables to be easily attached or removed without tools, and for quick connection of accessories requiring power.

• Polarity stamped
• 3/8" threaded positive stud
• 5/16" threaded negative stud
• 5/16" threaded universal stud

Marine terminals shown approximately actual size

Lead

• Die cast lead
• Brass plated wing nut

Part Numbers
MBT-N
Negative

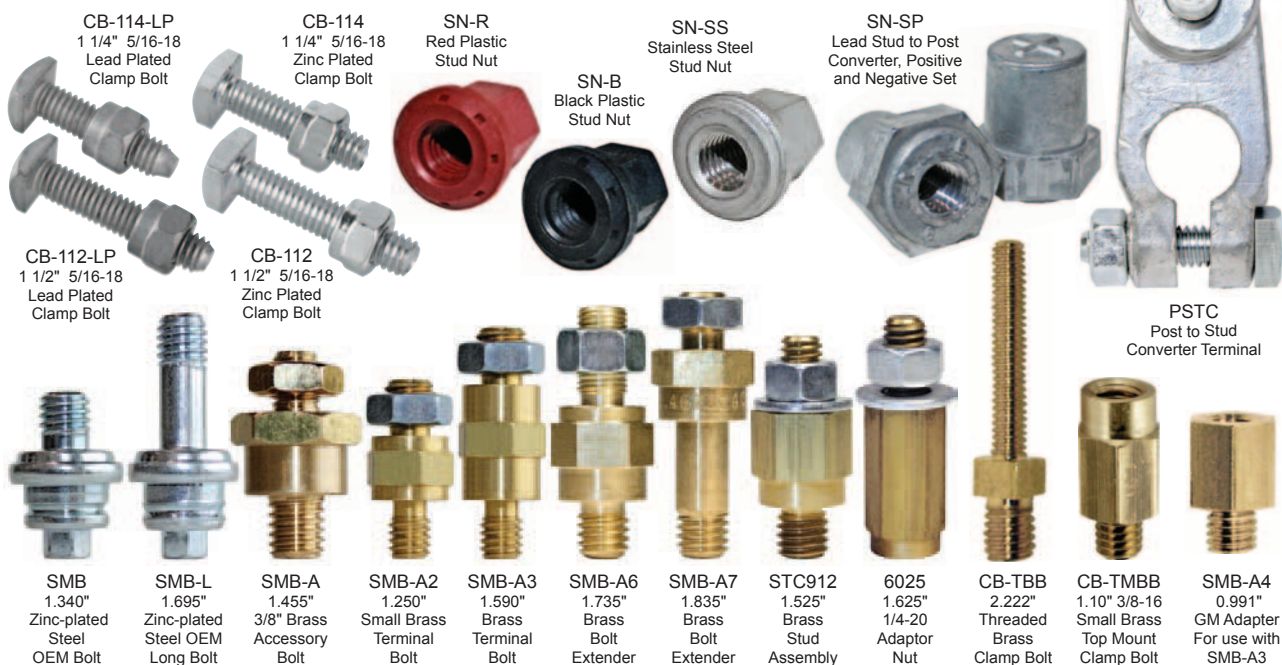MBT-P
Positive

MBT-U
Universal

Tin/Lead Plated Brass

• Solid brass for strength and conductivity

Part Numbers
MBT-NB
Negative

MBT-PB
Positive

Battery Bolts, Stud Nuts, and Post Converters

CB-114-LP 1 1/4" 5/16-18 Lead Plated Clamp Bolt	**CB-114** 1 1/4" 5/16-18 Zinc Plated Clamp Bolt	**SN-R** Red Plastic Stud Nut	**SN-SS** Stainless Steel Stud Nut	**SN-SP** Lead Stud to Post Converter, Positive and Negative Set		
CB-112-LP 1 1/2" 5/16-18 Lead Plated Clamp Bolt	**CB-112** 1 1/2" 5/16-18 Zinc Plated Clamp Bolt	**SN-B** Black Plastic Stud Nut			**PSTC** Post to Stud Converter Terminal	

SMB 1.340" Zinc-plated Steel OEM Bolt	SMB-L 1.695" Zinc-plated Steel OEM Long Bolt	SMB-A 1.455" 3/8" Brass Accessory Bolt	SMB-A2 1.250" Small Brass Terminal Bolt	SMB-A3 1.590" Brass Terminal Bolt	SMB-A6 1.735" Brass Bolt Extender	SMB-A7 1.835" Brass Bolt Extender	STC912 1.525" Brass Stud Assembly	6025 1.625" 1/4-20 Adaptor Nut	CB-TBB 2.222" Threaded Brass Clamp Bolt	CB-TMBB 1.10" 3/8-16 Small Brass Top Mount Clamp Bolt	SMB-A4 0.991" GM Adapter For use with SMB-A3

Battery Terminal Covers

Battery Terminal Covers are for the battery and alternator ends of cables. These boots provide protection from corrosion and shorting, and improve product appearance. More sizes and styles of battery boots are available upon request.

Eyelet

Stud

Top

Left

Right

Flag

Battery Boot Service Kit available on page 89

Eyelet

Part Number	Range	Color
BOOT-E-10BLK	18 – 10 AWG	● Black
BOOT-E-10RED	18 – 10 AWG	● Red
BOOT-E-8BLK	8 AWG	● Black
BOOT-E-8RED	8 AWG	● Red
BOOT-E-1BLK	6 – 1 AWG	● Black
BOOT-E-1RED	6 – 1 AWG	● Red

Stud Mount

Part Number	Range	Color
BOOT-S-10BLK*	18 – 10 AWG	● Black
BOOT-S-10RED*	18 – 10 AWG	● Red
BOOT-S-2BLK	8 – 2 AWG	● Black
BOOT-S-2RED	8 – 2 AWG	● Red
BOOT-S-2/0BLK	1/0 – 2/0 AWG	● Black
BOOT-S-2/0RED	1/0 – 2/0 AWG	● Red
BOOT-S-4/0BLK	3/0 – 4/0 AWG	● Black
BOOT-S-4/0RED	3/0 – 4/0 AWG	● Red

*BOOT-S-10RED and 10BLK sold in packages of 3

Top Mount

Part Number	Range	Color
BOOT-T-4BLK	6 – 4 AWG	● Black
BOOT-T-4RED	6 – 4 AWG	● Red
BOOT-T-1BLK	2 – 1 AWG	● Black
BOOT-T-1RED	2 – 1 AWG	● Red
BOOT-T-2/0BLK	1/0 – 2/0 AWG	● Black
BOOT-T-2/0RED	1/0 – 2/0 AWG	● Red
BOOT-T-4/0BLK	3/0 – 4/0 AWG	● Black
BOOT-T-4/0RED	3/0 – 4/0 AWG	● Red

Top Mount Left

Part Number	Range	Color
BOOT-T-L2BLK	2 – 1 AWG	● Black
BOOT-T-L2RED	2 – 1 AWG	● Red
BOOT-T-L2/0BLK	1/0 – 2/0 AWG	● Black
BOOT-T-L2/0RED	1/0 – 2/0 AWG	● Red
BOOT-T-L4/0BLK	3/0 – 4/0 AWG	● Black
BOOT-T-L4/0RED	3/0 – 4/0 AWG	● Red

Top Mount Right

Part Number	Range	Color
BOOT-T-R2BLK	2 – 1 AWG	● Black
BOOT-T-R2RED	2 – 1 AWG	● Red
BOOT-T-R2/0BLK	1/0 – 2/0 AWG	● Black
BOOT-T-R2/0RED	1/0 – 2/0 AWG	● Red
BOOT-T-R4/0BLK	3/0 – 4/0 AWG	● Black
BOOT-T-R4/0RED	3/0 – 4/0 AWG	● Red

Flag

Part Number	Range	Color
BOOT-F-2BLK	2 – 1 AWG	● Black
BOOT-F-2RED	2 – 1 AWG	● Red
BOOT-F-2/0BLK	1/0 – 2/0 AWG	● Black
BOOT-F-2/0RED	1/0 – 2/0 AWG	● Red
BOOT-F-4/0BLK	3/0 – 4/0 AWG	● Black
BOOT-F-4/0RED	3/0 – 4/0 AWG	● Red

Customized Products

Polar Wire customizes products and packaging to your specs to save you time and labor. We take pride in our high quality materials, outstanding workmanship, quick turnaround, and individualized customer service. Order easily and conveniently by phone, fax or email.

Contact us for custom solutions to your specific needs!

(907) 561-5955
(907) 561-4233 *fax*
www.polarwire.com

Look for our warranty seal on covered cables and buy with confidence!

Custom Wire Colors, Legends, and Striping

Order Polar Wire's premium **Arctic Ultraflex Blue®** and **Arctic Superflex Blue®** wire with custom jacket colors and extruded striping to suit your purposes.

Enhance your brand identity or provide critical information with a customized legend.

Minimums apply.

Pages 2-21

Heat Shrink Packs

Need certain types, colors, or sizes?

Configure your own custom variety packs with the shrinks you use most.

Pages 42-45

Battery and Inverter Cables, Automotive Cables, Golf Cart Cables

Our cables can be made to size, length, and color, with terminal ends to fit your specific applications. **LIFETIME** Limited Custom Cable Warranty!

Pages 40-41

Custom Jumper Cables and Harness Systems

Have your **Arctic Superflex Blue**® Jumper Cables and Jumper Cable Harness Systems made to order! Specify the size, cable length, and configuration. Then add boots, covers, and accessories as desired. We'll build your custom jumper cables quickly and correctly—right here in the USA.

Buy with confidence! Your jumper cables are covered by our **LIFETIME** Limited Custom Cable Warranty. Details online.

Pages 22-35

Customized Service Kits

Design your own custom small parts kits from our extensive inventory of parts and components.

Pages 86-91

Power Connector Cables

Combine various housing, wire, and shrink colors for a unique color coded cable. Specify wire gauge, length and terminals. We'll build a single harness —or a multi cable power system.

Page 92-93

Weather Pack Pigtails

Weather Pack locking connectors prewired with **Arctic Ultraflex Blue**® to your length and wire color requirements

Page 109

Camlock Cables

Arctic Ultraflex Blue® single pin cables can be made to order in a variety of colors, sizes and lengths. Rigorous quality!

Pages 94-95

Ferrule Cables

Top quality **Arctic Ultraflex Blue**® ferrule end cables are made to meet your particular specifications.
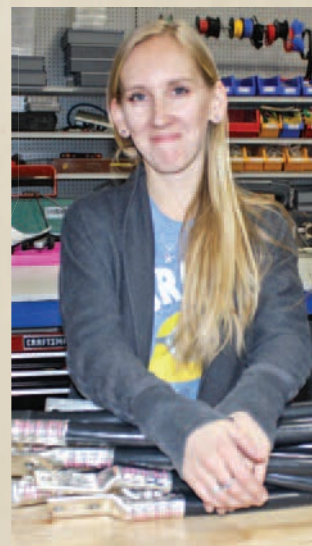
Page 108

Custom ATC Fuse Holders

Customize the size, length, and wire color of Polar Wire **Arctic Ultraflex Blue**® ATC blade style fuse holders.

Page 117

Treating customers right for over three decades!

Dome-Top® Barb Ty Cable Ties

Weather Resistant Ties offer greater resistance to damage caused by ultraviolet light and are suitable for both indoor and outdoor use. High strength and low thread force. Use to bundle and secure wire and cable, as well as a wide array of other fastening and securing applications. Engineered and manufactured for maximum performance and quality. May be installed in temperatures as low as -20°C. Rated for use from -60°C to 115°C.

-60°C TO 115°C

Features

- Dome-Top® head features unique patented design with smooth, rounded edges
- Stainless steel locking barb adds strength, ensures consistent performance and reliability, and provides infinite adjustability through entire bundle range
- Curved tip for easy pick up from flat surfaces and faster threading
- UL Recognized, UL Listed, and CSA Certified (except light-heavy cross section)

Black Weather Resistant Nylon 6/6

Sold in packages of 100

Part Number	Length in.	mm	Width in.	mm	Thickness in.	mm	Max Bundle Diameter in.	mm	Min Loop Tensile Str. lbs.	N
Miniature Cross Section										
PW523MX	4.0	102	.095	2.4	.036	.9	.90	23	18	80
PW5232MX	7.9	201	.095	2.4	.046	1.2	2.00	51	18	80
PW5234MX	14.2	361	.095	2.4	.046	1.2	4.00	102	18	80
Intermediate Cross Section										
PW524MX	6.1	155	.141	3.6	.041	1.0	1.50	38	40	178
PW5242MX	8.0	203	.141	3.6	.041	1.0	2.00	51	40	178
PW526MX	11.3	287	.141	3.6	.049	1.2	3.00	76	40	178
PW5244MX	14.3	363	.141	3.6	.049	1.2	4.00	102	40	178
Standard Cross Section										
PW525MX	8.0	203	.185	4.7	.045	1.1	2.00	51	50	222
PW5253MX	12.0	305	.185	4.7	.052	1.3	3.00	76	50	222
PW528MX	15.1	384	.185	4.7	.052	1.3	4.00	102	50	222
Light-Heavy Cross Section (straight tip)										
PW5272MX	8.7	221	.275	7.0	.065	1.7	2.00	51	120	534
PW527MX	14.9	378	.275	7.0	.065	1.7	4.00	102	120	534
PW5275MX	18.1	460	.275	7.0	.065	1.7	5.00	127	120	534
PW5277MX	24.4	620	.275	7.0	.065	1.7	7.00	178	120	534
PW529MX	30.7	780	.275	7.0	.065	1.7	9.00	229	120	534

Straight Tip

Curved Tip

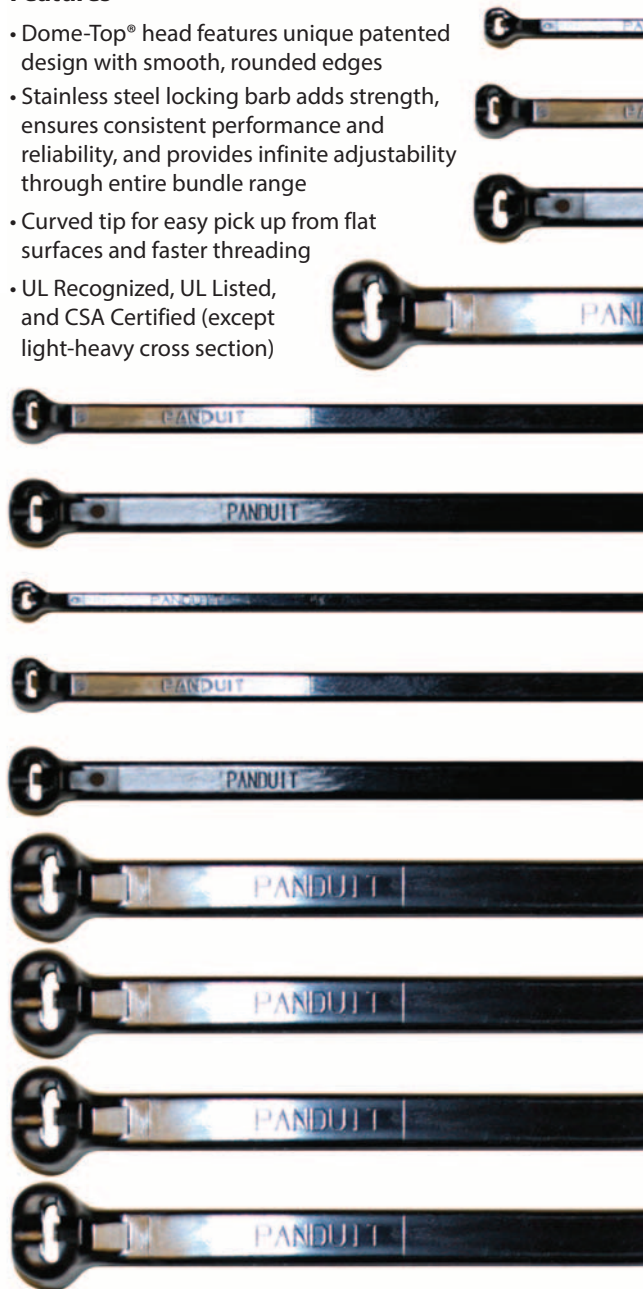*Screw Mount Ties also available*
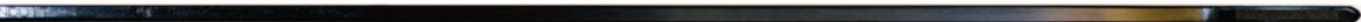
Cable Ties Service Kit available on page 91
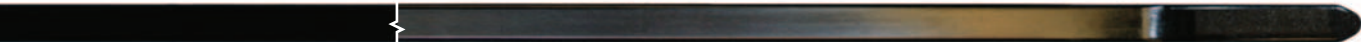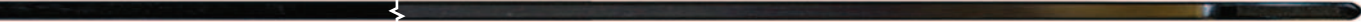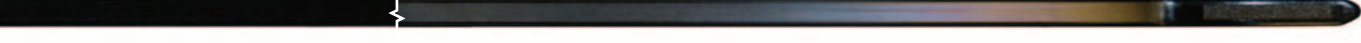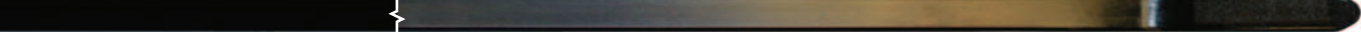
Bulk quantities available

Black Weather Resistant Nylon – Indoor/Outdoor Use

Part Number	Length	Cross Section Type
PW523MX	4.0"	Miniature
PW524MX	6.1"	Intermediate
PW5232MX	7.9"	Miniature
PW5242MX	8.0"	Intermediate
PW525MX	8.0"	Standard
PW5272MX	8.7"	Light Heavy
PW526MX	11.3"	Intermediate
PW5253MX	12.0"	Standard
PW5234MX	14.2"	Miniature
PW5244MX	14.3"	Intermediate
PW528MX	15.1"	Standard
PW527MX	14.9"	Light Heavy
PW5275MX	18.1"	Light Heavy
PW5277MX	24.4"	Light Heavy
PW529MX	30.7"	Light Heavy

Stainless Steel Ties available by special order

Ties shown actual size, except length as indicated

Dome-Top® Barb Ty Cable Ties

Heat Stabilized Nylon Ties are suitable for use indoors in general and high temperature applications of up to 239°F (115°C). High strength and low thread force. Cable ties bundle and secure wire and cable, and are utilized in a wide array of other fastening and securing applications as well. Engineered and manufactured for maximum performance and quality.
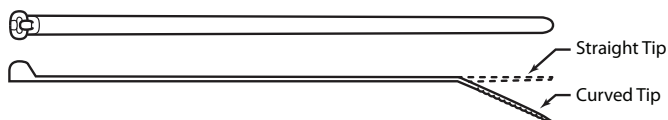
-60°C TO 115°C

Features

- Dome-Top® head features unique patented design with smooth, rounded edges
- Stainless steel locking barb adds strength, ensures consistent performance and reliability, and provides infinite adjustability through entire bundle range
- Curved tip for easy pick up from flat surfaces and faster threading
- UL Recognized, UL Listed, and CSA Certified (except light-heavy cross section)

Natural Heat Stabilized Nylon 6/6

Sold in packages of 100

Part Number	Length in.	Length mm	Width in.	Width mm	Thickness in.	Thickness mm	Max Bundle Diameter in.	Max Bundle Diameter mm	Min Loop Tensile Str. lbs.	Min Loop Tensile Str. N
Miniature Cross Section										
PW523M	4.0	102	.095	2.4	.036	.9	.90	23	18	80
PW5232M	7.9	201	.095	2.4	.046	1.2	2.00	51	18	80
PW5234M	14.2	361	.095	2.4	.046	1.2	4.00	102	18	80
Intermediate Cross Section										
PW524M	6.1	155	.141	3.6	.041	1.0	1.50	38	40	178
PW5242M	8.0	203	.141	3.6	.041	1.0	2.00	51	40	178
PW526M	11.3	287	.141	3.6	.049	1.2	3.00	76	40	178
PW5244M	14.3	363	.141	3.6	.049	1.2	4.00	102	40	178
Standard Cross Section										
PW525M	8.0	203	.185	4.7	.045	1.1	2.00	51	50	222
PW5253M	12.0	305	.185	4.7	.052	1.3	3.00	76	50	222
PW528M	15.1	384	.185	4.7	.052	1.3	4.00	102	50	222
Light-Heavy Cross Section (straight tip)										
PW5272M	8.7	221	.275	7.0	.065	1.7	2.00	51	120	534
PW527M	14.9	378	.275	7.0	.065	1.7	4.00	102	120	534
PW5275M	18.1	460	.275	7.0	.065	1.7	5.00	127	120	534
PW5277M	24.4	620	.275	7.0	.065	1.7	7.00	178	120	534
PW529M	30.7	780	.275	7.0	.065	1.7	9.00	229	120	534

Straight Tip

Curved Tip

Ask about our Cable Tie Ordering Poster!

20"x30" poster shows Polar Wire's black and natural nylon cable ties at actual size for quick identification. Includes product info and part numbers for easy reference.

Bulk quantities available

Natural Heat Stabilized Nylon – Indoor Use

Part Number	Length	Cross Section Type
PW523M	4.0"	Miniature
PW524M	6.1"	Intermediate
PW5232M	7.9"	Miniature
PW5242M	8.0"	Intermediate
PW525M	8.0"	Standard
PW5272M	8.7"	Light Heavy
PW526M	11.3"	Intermediate
PW5253M	12.0"	Standard
PW5234M	14.2"	Miniature
PW5244M	14.3"	Intermediate
PW528M	15.1"	Standard
PW527M	14.9"	Light Heavy
PW5275M	18.1"	Light Heavy
PW5277M	24.4"	Light Heavy
PW529M	30.7"	Light Heavy

Stainless Steel Ties available by special order

Ties shown actual size, except length as indicated

WIRE MANAGEMENT

Cable Tie Mounts

TYM-104-1

TYM-104-34

CTM1B

CTM2B

Sold in packages of 100

TYM-104-1.5

CTM3B

TYMB-104-34   TYMB-104-1   TYMB-104-1.5

CTM1W

CTM2W

CTM3W

- Reliable 3M adhesive
- Accepts optional mounting screw

3M Adhesive Backed Cable Tie Base, Optional Screw Mount

White Nylon 6/6 Part Number	Black UV Nylon 6/6 Part Number	Tie Base Size in.	mm	Max Tie Width in.	mm	Pull Strength (lbs)
TYM-104-34	TYMB-104-34	3/4	19 x 19	.142	3.60	40
TYM-104-1	TYMB-104-1	1	28 x 28	.189	4.80	50
TYM-104-1.5	TYMB-104-1.5	1 1/2	40 x 40	.354	9.00	175

Saddle Style Cable Tie Base, Non-Adhesive Screw Mount

White Nylon 6/6 Part Number	Black UV Nylon 6/6 Part Number	Length in.	mm	Width in.	mm	Height in.	mm	Counterbore in.	mm	Screw Size	Max Tie Width in.	mm	Pull lbs.
CTM1W	CTM1B	0.70	17.80	0.50	12.70	0.32	8.15	0.28	7.10	#6 (M3)	.189	4.8	18-50
CTM2W	CTM2B	0.88	22.30	0.63	16.00	0.38	9.65	0.32	8.10	#8 (M4)	.299	7.6	18-120
CTM3W	CTM3B	1.00	25.40	0.63	16.00	0.43	10.80	0.40	10.10	#10 (M5)	.354	9.0	175

Cable Clamps

Natural Nylon

Part Number	Diameter
TCL-18	1/8"
TCL-36	3/16"
TCL-14	1/4"
TCL-56	5/16"
TCL-38	3/8"
TCL-12	1/2"
TCL-34	3/4"
TCL-78	7/8"
TCL-1	1"

Sold in packages of 100

Cable Clamps Service Kits available on page 91

Black Nylon

Part Number	Diameter
TCLB-18	1/8"
TCLB-36	3/16"
TCLB-14	1/4"
TCLB-56	5/16"
TCLB-38	3/8"
TCLB-12	1/2"
TCLB-34	3/4"
TCLB-78	7/8"
TCLB-1	1"

- Added carbon black provides very good UV resistance

Cushion Clamps

Part Number	Diameter
CCR-14	1/4"
CCR-38	3/8"
CCR-12	1/2"
CCR-34	3/4"
CCR-58	5/8"
CCR-78	7/8"
CCR-1	1"
CCR-1-14	1 1/4"
CCR-1-12	1 1/2"
CCR-1-34	1 3/4"
CCR-2	2"

Sold individually

Stainless Steel Cushion Clamps

Part Number	Diameter
SSR-14	1/4"
SSR-12	1/2"
SSR-34	3/4"
SSR-1	1"
SSR-112	1 1/2"

Sold individually

- Black EPDM cushion material

-50°F TO 350°F

Metal Clamps

Part Number	Diameter
MCC-14	1/4"
MCC-38	3/8"
MCC-12	1/2"
MCC-58	5/8"
MCC-34	3/4"
MCC-1	1"
MCC-1-14	1 1/4"
MCC-1-12	1 1/2"
MCC-1-34	1 3/4"
MCC-2	2"
MCC-2-12	2 1/2"
MCC-3	3"

Sold individually

Nylon and Polyethylene Convoluted Split Loom

NYLON: -40°F TO 230°F

POLYETHYLENE: -40°F TO 122°F

Split Loom Install Tool makes installation easy. Gather the wires into the bottom of the tool and insert into the split loom. Then slide the tool and wires through the tubing.

Loom Tool

Part Number	Fits Loom Diameter
SLT-025	1" – 1 1/4"
SLT-15	1/2" – 5/8"
SLT-20	3/4" – 7/8"
SLT-08	1/4" – 3/8"

Nylon Split Loom

Minimum order of 10 feet

Spool Part Number	Size	Length	Inside Diameter	Outside Diameter	Wall Thickness
LOOM14-SPOOL	1/4"	250 ft	.236" - .264"	.376" - .400"	.0047" - .0193"
LOOM38-SPOOL	3/8"	250 ft	.337" - .632"	.491" - .516"	.0059" - .0217"
LOOM12-SPOOL	1/2"	250 ft	.484" - .509"	.670" - .695"	.0071" - .0228"
LOOM58-SPOOL	5/8"	100 ft	.605" - .630"	.790" - .836"	.0083" - .0240"
LOOM34-SPOOL	3/4"	100 ft	.730" - .755"	.960" - .985"	.0094" - .0252"
LOOM1-SPOOL	1"	50 ft	1.000" - 1.039"	1.278" - 1.306"	.0118" - .0276"

Box Part Number	Size	Length	Inside Diameter	Outside Diameter	Wall Thickness
LOOM14-BOX	1/4"	10,000 ft	.236" - .264"	.376" - .400"	.0047" - .0193"
LOOM38-BOX	3/8"	5000 ft	.337" - .632"	.491" - .516"	.0059" - .0217"
LOOM12-BOX	1/2"	4000 ft	.484" - .509"	.670" - .695"	.0071" - .0228"
LOOM58-BOX	5/8"	2500 ft	.605" - .630"	.790" - .836"	.0083" - .0240"
LOOM34-BOX	3/4"	2000 ft	.730" - .755"	.960" - .985"	.0094" - .0252"
LOOM1-BOX	1"	300 ft	1.00" - 1.039"	1.278" - 1.306"	.0118" - .0276"
LOOM114-BOX	1 1/4"	250 ft	1.25" - 1.276"	1.437" - 1.484"	.0118" - .0276"
LOOM112-BOX	1 1/2"	150 ft	1.50" - 1.528"	1.858" - 1.925"	.0118" - .0276"
LOOM2-BOX	2"	100 ft	1.980" - 2.035"	2.343" - 2.409"	.0118" - .0276"

Polyethylene Split Loom

Minimum order of 10 feet

Spool Part Number	Size	Length	Inside Diameter	Outside Diameter	Wall Thickness
LOOM14PE-SPOOL	1/4"	250 ft	.236" - .264"	.376" - .400"	.0047" - .0193"
LOOM38PE-SPOOL	3/8"	250 ft	.337" - .632"	.491" - .516"	.0059" - .0217"
LOOM12PE-SPOOL	1/2"	250 ft	.484" - .509"	.670" - .695"	.0071" - .0228"
LOOM58PE-SPOOL	5/8"	100 ft	.605" - .630"	.790" - .836"	.0083" - .0240"
LOOM34PE-SPOOL	3/4"	100 ft	.730" - .755"	.960" - .985"	.0094" - .0252"
LOOM1PE-SPOOL	1"	50 ft	1.000" - 1.039"	1.278" - 1.306"	.0118" - .0276"

Box Part Number	Size	Length	Inside Diameter	Outside Diameter	Wall Thickness
LOOM14PE-BOX	1/4"	10,000 ft	.236" - .264"	.376 - .400	.0047 - .0193"
LOOM38PE-BOX	3/8"	5000 ft	.337" - .632"	.491 - .516	.0059 - .0217"
LOOM12PE-BOX	1/2"	4000 ft	.484" - .509"	.670 - .695	.0071 - .0228"
LOOM58PE-BOX	5/8"	2500 ft	.605" - .630"	.790 - .836	.0083 - .0240"
LOOM34PE-BOX	3/4"	2000 ft	.730" - .755"	.960 - .985	.0094 - .0252"
LOOM1PE-BOX	1"	300 ft	1.00" - 1.039"	1.278 - 1.306	.0118 - .0276"
LOOM114PE-BOX	1 1/4"	250 ft	1.25" - 1.276"	1.437 - 1.484	.0118 - .0276"
LOOM112PE-BOX	1 1/2"	150 ft	1.50" - 1.528"	1.858 - 1.925	.0118 - .0276"
LOOM2PE-BOX	2"	100 ft	1.980" - 2.035"	2.343 - 2.409	.0118 - .0276"

Additional Cable Tie Tension Tools Available

Cable Tie Tension Tools

Panduit GTS-E Cable Tie Tool installs and trims miniature, intermediate, and standard cross section nylon ties from .070" (1.8mm) to .190" (4.8mm) wide

- Lightweight, ergonomic design speeds installation and reduces user fatigue
- Low handle force
- Flush tie cut-off eliminates sharp edges, improves safety
- Adjustable tension
- Impact resistant resin housing

Part Number GTS-E

- Use with miniature, intermediate, and standard cross section nylon ties from 3/32" (2.3mm) to 11/32" (8.73mm) wide, and up to 1.6mm thick
- Adjustable tension
- Neatly fastens and cuts tie in one action
- Flush cut-off eliminates sharp edges on ties.
- Ergonomic handle and trigger
- Aluminum body

RoHS compliant

Part Number CP-382

WIRE MANAGEMENT

Flexo® PET Expandable Braided Sleeving

FLEXO® PET (PT) Braided Sleeving is used in electronics, automotive, marine and industrial wire harnessing applications where cost efficient and durability are critical. The unique braided construction and wide expandability—up to 150%—allows quick and easy installation over large connectors and long runs. PT can be found in applications ranging from small office/home office to high tech wire and cable harnesses.

PT is braided from 10mm polyethylene terephthalate (PET) monofilament yarns. The material has an operating temperature range of -75°C (-103°F) to 125°C (257°F), and is resistant to chemical degradation, UV radiation, cuts and abrasions.

General Purpose Braided Sleeving

Part Number	Nominal Size	Expansion Min Range	Expansion Max Range	Spool Size	Available Colors
PET18-**BB**	1/8"	3/32"	1/4"	225'	All 19 colors pictured below
PET14-**BB**	1/4"	1/8"	7/16"	200'	All 19 colors pictured below
PET38-**BB**	3/8"	3/16"	5/8"	125'	All 19 colors pictured below
PET12-**BB**	1/2"	1/4"	3/4"	100'	All 19 colors pictured below
PET58-**BB**	5/8"	3/8"	1"	100'	Red, White, Black, Carbon, Green, Blue
PET34-**BB**	3/4"	1/2"	1 1/4"	75'	All 19 colors pictured below
PET1-**BB**	1"	5/8"	1 5/8"	65'	Purple, Blue, Black, Green, Gray, Red
PET114-**BB**	1 1/4"	3/4"	1 3/4"	50'	All 19 colors pictured below
PET112-**BB**	1 1/2"	1"	2 1/2"	40'	All 19 colors pictured below
PET134-**BB**	1 3/4"	1 1/4"	2 3/4"	30'	All 19 colors pictured below
PET2-**BB**	2"	1 1/2"	3 1/2"	50'	All 19 colors pictured below
PET212-**BB**	2 1/2"	1 3/4"	4 1/2"	50'	All 19 colors pictured below
PET3-**BB**	3"	2 1/2"	4 3/4"	50'	All 19 colors pictured below

TO ORDER, add desired color code **(BB)** to the part number. Example: PET18-**RD**

Available Colors:

Neon Red **NR**
Neon Pink **NP**
Neon Yellow **NY**
Neon Green **NG**
Neon Blue **NB**
Beige **BE**
Carbon **CB**
Nitrox **NX**
Patriot **PT**

Red **RD**
Orange **OR**
Yellow **YL**
Green **GN**
Blue **BL**
Purple **PP**
Clear **CL**
Black **BK**
White **WT**
Gray **GY**

-75°C TO 125°C

Flexo® PET's wide range of available colors and sizes allows easy and systematic color coding in complex wiring and cabling schemes. – The sleeving cuts easily and cleanly with a hot knife and once installed, will beautify and protect any wire, hose or cable application.

Flexo® PET Pro-Pak

BK	Black
RD	Red
CB	Carbon
NB	Neon Blue
NY	Neon Yellow
GY	Gray
BE	Beige
CL	Clear
WT	White
NP	Neon Pink
NR	Neon Red
OR	Orange
YL	Yellow
NX	Nitrox
NG	Neon Green
GN	Green
BL	Blue
PP	Purple

General Purpose Braided Sleeving

Base Part Number	Diameter	Length
PET18-**BB**-BP	1/8"	50'
PET14-**BB**-BP	1/4"	45'
PET38-**BB**-BP	3/8"	30'
PET12-**BB**-BP	1/2"	24'
PET34-**BB**-BP	3/4"	15'

TO ORDER, add desired color code **(BB)**
to the part number. Example: PET18-**YL**-BP

Flexo F6® Wrappable Split Braided Tube

Flexo F6® has a unique split, semi-rigid braided construction that makes it the ideal solution where ease of installation is of primary importance.

The lateral split allows the tube to open up to accommodate a wide variety of bundling requirements, and the semi-rigid braid simply closes around the entire installation without the need for any additional fasteners.

The 10 mm PET braid is lightweight, quiet and flexible. The 25% edge overlap (at nominal diameter) allows coverage around inline plugs, connectors and splices. F6 will bend to a tight radius without distorting or splitting open. And, unlike full rigid tubing, F6 will not impair or affect the flexibility of harnesses.

Large 25% edge overlap allows easy installation over splices and inline connectors without exposing wires and cables

F6 Semi-Rigid Split Braid

Part Number	Nominal Size	Package Quantity
FLEXO-18	1/8"	100'
FLEXO-14	1/4"	100'
FLEXO-38	3/8"	75'
FLEXO-12	1/2"	75'
FLEXO-34	3/4"	50'
FLEXO-1	1"	50'
FLEXO-112	1 1/2"	25'
FLEXO-2	2"	25'

Available in Black only.

*Dispenser Box
Packaging*

*Bulk quantities
available*

Rubber Grommets
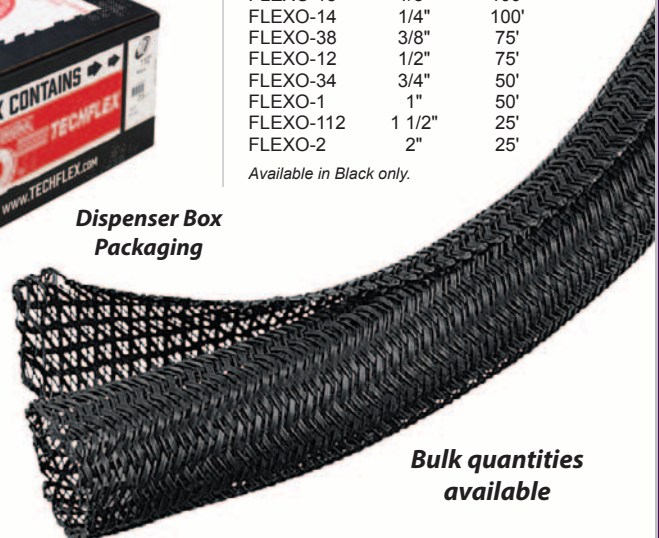
1/16" Panel Thickness

1/8" Panel Thickness

3/16" Panel Thickness

1/4" Panel Thickness

Rubber Grommets Service Kit available —see page 91

1/16" to 1/4" Panel Thickness

Part Number	Panel Thickness (A)	Inside Diameter (B)	Hole Size (C)
RG100	1/16"	1/16"	3/16"
RG102	1/16"	1/8"	1/4"
RG104	1/16"	3/16"	5/16"
RG106	1/16"	1/4"	3/8"
RG108	1/16"	5/16"	7/16"
RG110	1/16"	5/16"	9/16"
RG112	1/16"	3/8"	1/2"
RG114	1/16"	3/8"	5/8"
RG116	1/16"	7/16"	9/16"
RG118	1/16"	7/16"	11/16"
RG120	1/16"	1/2"	13/16"
RG122	1/16"	9/16"	13/16"
RG124	1/16"	5/8"	7/8"
RG126	1/16"	3/4"	7/8"
RG128	1/16"	3/4"	1 1/16"
RG130	1/16"	7/8	1 1/4"
RG132	1/16"	1"	1 3/8"
RG134	1/16"	1 1/2"	1 3/4"
RG136	1/16"	2 1/8"	2 1/2"
RG150	1/8"	3/16"	1"
RG152	1/8"	1/4"	3/8"
RG154	1/8"	3/8"	17/32"
RG156	1/8"	3/8"	5/8"
RG158	1/8"	1/2"	3/4"
RG160	1/8"	5/8"	7/8"
RG162	1/8"	11/16"	1"
RG164	1/8"	3/4"	1 1/16"
RG166	1/8"	7/8"	1 1/4"
RG168	1/8"	1"	1 3/8"
RG170	1/8"	1 1/2"	1 3/4"
RG172	1/8"	2 1/8"	2 1/2"
RG180	3/16"	1/4"	7/16"
RG182	3/16"	3/8"	5/8"
RG184	3/16"	1/2"	13/16"
RG186	3/16"	7/8"	1 1/4"
RG187	3/16"	1"	1 3/8"
RG188	3/16"	1 1/2"	1 3/4"
RG192	1/4"	3/4"	1 1/16"
RG194	1/4"	1"	1 3/8"
RG196	1/4"	1 1/2"	1 3/4"

10-piece minimum. Bulk quantities available.

All Fit Bushings
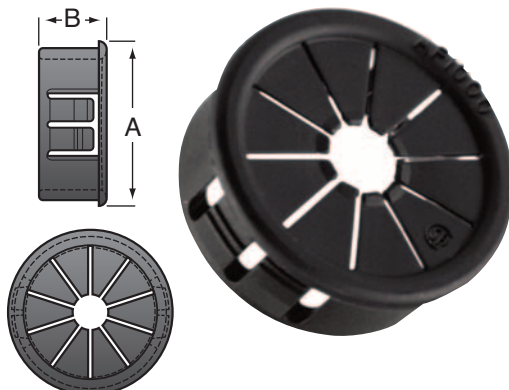
All Fit Bushings

Panel Thickness up to 1/8" - Multiple Locking Steps

Bag of 100 Part Number	Packaged Part Number	Packaged Quantity	Mounting Hole Diameter	Maximum Inside Diameter	A Head Diameter	B Overall Height
AFB-0625	AFB-0625-PKG	10	5/8"	.437"	.730"	.406"
AFB-0750	AFB-0750-PKG	10	3/4"	.500"	.844"	.390"
AFB-0812	AFB-0812-PKG	10	13/16"	.500"	.890"	.390"
AFB-0875	AFB-0875-PKG	10	7/8"	.562"	.937"	.453"
AFB-1000	AFB-1000-PKG	5	1"	.750"	1.06"	.441"
AFB-1093	AFB-1093-PKG	5	1 3/32"	.812"	1.160"	.453"

Press Fit Bushings

Press Fit Bushings Sold in bags of 100, or packaged in smaller quantities

Panel Thickness up to 1/16" - Single Locking Step

Bag of 100 Part Number	Packaged Part Number	Package Quantity	Mounting Hole Diameter	A Inside Diameter	B Head Diameter	C Overall Height
PFB-250	PFB-250-PKG	20	1/4"	.140"	.312"	.312"

Panel Thickness up to 1/8" - Multiple Locking Steps

Bag of 100 Part Number	Packaged Part Number	Package Quantity	Mounting Hole Diameter	A Inside Diameter	B Head Diameter	C Overall Height
PFB-375	PFB-375-PKG	20	3/8"	.187"	.468"	.406"
PFB-500	PFB-500-PKG	20	1/2"	.312"	.578"	.406"
PFB-750	PFB-750-PKG	10	3/4"	.500"	.850"	.406"
PFB-1000	PFB-1000-PKG	10	1"	.766"	1.125"	.453"
PFB-1093	PFB-1093-PKG	5	1 3/32"	.875"	1.218"	.453"
PFB-1250	PFB-1250-PKG	5	1 1/4"	.937"	1.359"	.453"
PFB-1375	PFB-1375-PKG	5	1 3/8"	1.014"	1.490"	.453"
PFB-1500	PFB-1500-PKG	5	1 1/2"	1.062"	1.609"	.453"
PFB-2000	PFB-2000-PKG	2	2"	1.640"	2.125"	.453"

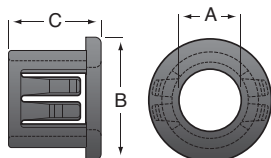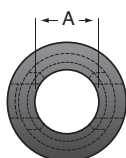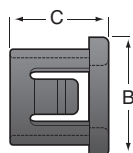Single Locking Step

Multiple Locking Steps

Hole Plugs

Hole Plugs Sold in bags of 100, or packaged in smaller quantities

Panel Thickness up to 1/16" - Single Locking Step

Bag of 100 Part Number	Packaged Part Number	Package Quantity	Mounting Hole Diameter	A Head Diameter	B Overall Height
HPC-187-1	HPC-187-PKG	20	3/16"	.250"	.234"
HPC-250-1	HPC-250-PKG	20	1/4"	.312"	.312"
HPC-312-1	HPC-312-PKG	20	5/16"	.375"	.312"

Panel Thickness up to 1/8" - Multiple Locking Steps

Bag of 100 Part Number	Packaged Part Number	Package Quantity	Mounting Hole Diameter	A Head Diameter	B Overall Height
HPC-375-1	HPC-375-PKG	20	3/8"	.468"	.406"
HPC-437-1	HPC-437-PKG	20	7/16"	.531"	.406"
HPC-500-1	HPC-500-PKG	15	1/2"	.578"	.406"
HPC-562-1	HPC-562-PKG	15	9/16"	.656"	.406"
HPC-625-1	HPC-625-PKG	15	5/8"	.718"	.406"
HPC-687-1	HPC-687-PKG	10	11/16"	.781"	.406"
HPC-750-1	HPC-750-PKG	10	3/4"	.922"	.406"
HPC-812-1	HPC-812-PKG	10	13/16"	.890"	.406"
HPC-875-1	HPC-875-PKG	10	7/8"	1.106"	.453"
HPC-1000-1	HPC-1000-PKG	10	1"	1.203"	.453"
HPC-1093-1	HPC-1093-PKG	10	1 3/32"	1.218"	.453"
HPC-1187-1	HPC-1187-PKG	10	1 3/16"	1.312"	.453"
HPC-1250-1	HPC-1250-PKG	10	1 1/4"	1.375"	.453"
HPC-1375-1	HPC-1375-PKG	5	1 3/8"	1.500"	.453"
HPC-1500-1	HPC-1500-PKG	5	1 1/2"	1.672"	.453"
HPC-1750-1	HPC-1750-PKG	5	1 3/4"	1.906"	.453"
HPC-2000-1	HPC-2000-PKG	5	2"	2.140"	.453"
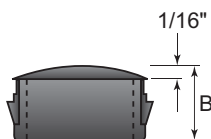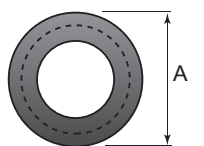
Hole Plugs Service Kit available —see page 91

1/16"

3/32"   1/32"

1/8"   1/16"

WIRE MANAGEMENT

Liquidtight Conduit

Features

• Flexible in tight applications
• Resists corrosion, oil, and water, liquid tight with specified fittings
• Fast installation—smooth inner surface allows easy wire pulling
• Good tensile strength provides excellent pullout protection
• UV resistant PVC
• VW-1 Flammability Rating
• Broad operating temperature range of -4°F to 158°F (-18°C to 70°C)
• UL Recognized, CSA Certified

Applications

• Suitable for use in high vibration or flexing applications
• Alternative energy systems
• Exterior/interior power systems
• Marine and shipboard wiring
• Indoor/outdoor lighting
• Protection for fiber optic cable
• Installation of control and instrumentation cable
• Flexing-component wiring protection on robots, graphic arts equipment, etc.

-18°C TO 70°C

Non-metallic Liquidtight Conduit

Part Number	Conduit Size	Min ID	Max ID	Min OD	Max OD
EFC025	1/4"	.390"	.405"	.560"	.575"
EFC038	3/8"	.484"	.504"	.690"	.710"
EFC050	1/2"	.622"	.642"	.820"	.840"
EFC075	3/4"	.820"	.840"	1.030"	1.050
EFC100	1"	1.041"	1.066"	1.290"	1.315"
EFC125	1 1/4"	1.380"	1.410"	1.630"	1.660"
EFC150	1 1/2"	1.575"	1.600"	1.865"	1.900"
EFC200	2"	2.020"	2.045"	2.340"	2.375"

Cable Glands

Non-Metallic Polyamide Cable Glands have a sturdy cable sealing mechanism that gives superior strain relief. Compact size allows quick and easy installation in cramped spaces. Excellent impact, chemical, and corrosion resistance. Long-thread. Nylon locknuts included.

• Watertight seal, rated up to IP 68-5 BAR
• Working temperatures: -20°C (-13°F) to 100°C (212°F) continuous, -40°C (-40°F) static short term
• UL Listed, C-UL Listed for certain cable ranges
• Flame retardant UL 94VO
• Wide clamping ranges

-40°C TO 100°C

Nylon Cable Glands

Part Number	Color	Thread Size	Cord Range In.	Cord Range mm	Thread Length In.	Thread Length mm
CC-NPT38-B	Black	3/8"	.197 - .394	5 - 10	.590	15
CC-NPT12-B	Black	1/2"	.394 - .551	10 - 14	.590	15
CC-NPT34-B	Black	3/4"	.512 - .709	13 - 18	.590	15
CC-NPT1-B	Black	1"	.709 - .984	18 - 25	.709	18

Locknuts

Steel and Nylon 6/6 Locknuts feature NPS threads for use with NPT threaded Liquidtight fittings. Nylon locknuts have a 94V-2 flammability rating and -22°F (-30°C) to 221°F (105°C) operating temperature.

Steel

Part Number	Size
LNS-38	3/8"
LNS-12	1/2"
LNS-34	3/4"
LNS-1	1"
LNS-1-14	1 1/4"
LNS1-12	1 1/2"
LNS-2	2"

Black Nylon 6/6

Part Number	Size
LN-501	1/2"
LN-502	3/4"
LN-503	1"

Straight

90° Elbow

Straight Liquidtight Fitting

Part Number	Trade Size	Thread Size	A Clearance Hole In.	mm	B Max. O.A. Length In.	mm	C Thread Length In.	mm	D Wrenching Nut Thickness In.	mm	E Wrenching Flat Size In.	mm
LT50P	1/2	1/2 NPT	0.875	22.2	1.960	49.8	0.630	16.0	0.250	6.3	1.328	33.7
LT75P	3/4	3/4 NPT	1.109	28.1	2.040	52.8	0.630	16.0	0.250	6.3	1.562	39.6
LT100P	1	1 NPT	1.375	34.9	2.250	57.2	0.780	19.8	0.250	6.3	1.812	46.0
LT125P	1 1/4	1 1/4 NPT	1.734	44.0	2.070	52.6	0.685	17.4	0.250	6.3	2.150	54.6
LT150P	1 1/2	1 1/2 NPT	1.984	50.4	2.280	57.9	0.780	19.8	0.275	7.0	2.400	61.0
LT200P	2	2 NPT	2.469	62.7	2.260	66.0	0.850	21.6	0.312	7.9	2.980	75.6

90° Elbow Liquidtight Fitting

Part Number	Trade Size	Thread Size	A Clearance Hole In.	mm	B Max. O.A. Length In.	mm	C Max. O.A. Length In.	mm	D Thread Length In.	mm
LT950P	1/2	1/2 NPT	0.875	22.2	1.982	50.3	2.912	73.9	0.520	13.2
LT975P	3/4	3/4 NPT	1.109	28.1	2.293	58.2	3.172	80.5	0.520	13.2
LT9100P	1	1 NPT	1.375	34.9	2.833	71.9	3.964	100.6	0.690	17.5
LT9125P	1 1/4	1 1/4 NPT	1.734	44.0	4.100	104.1	4.725	104.1	0.760	19.3
LT9150P	1 1/2	1 1/2 NPT	1.984	50.4	4.750	120.7	5.200	132.1	0.800	20.3
LT9200P	2	2 NPT	2.469	62.7	5.420	137.7	5.800	147.3	0.860	21.8

Suggested clearance hole size for non-thread mounting

Liquidtight conduit and fittings in use at a wind/solar installation in rural Alaska

Liquidtight Fittings of all Nylon 6/6 construction resist saltwater, weak acids, gasoline, alcohol, oil, grease, and common solvents. Simple and quick installation—no disassembly or threading required.

Features

• Convex ferrule ensures liquid tight seal
• Locknut and O-ring included
• Protection class IP 68 up to 70 psi (5 bar) water pressure
• 94V-2 Flammability Rating
• Suitable for indoor/outdoor use at -22°F (-30°C) to 221°F (105°C)
• UL Listed E28432, CSA Certified

-30°C TO 105°C

Pro Grade PVC Electrical Tape

StrongHold™ Professional Grade Electrical Tape is a 7 mil non-corrosive, pressure sensitive vinyl electrical tape that provides high abrasion resistance with easy application over a range of temperatures. Flame retardant and cold resistant, with excellent elasticity and insulating properties. High-elongation. Protects against abrasion, water, oil, and other corrosive chemicals. Suitable as primary insulation when splicing up to 600 Volts. Can be used as protective jacketing.

StrongHold™ Pro Grade Tape is offered in black (ST-43) and in nine colors for color coding (ST35). Packaged individually in clear plastic storage pucks.

- 7 mil thickness
- 0°F to 221°F (-18°C to 105°C)
- 260% elongation typ
- 30 N/cm breaking strength typ
- 2.2 N/cm sticking power typ (adhesion to steel at 72° F)

StrongHold ST43

3/4" x 66' x .007"
19mm x 20m x .177mm

Part Number	Color
ST43	● Black

StrongHold ST35

3/4" x 66' x .007"
19mm x 20m x .177mm

Part Number	Color
ST35-WHITE	○ White
ST35-GREEN	● Green
ST35-GRAY	● Gray
ST35-RED	● Red
ST35-VIOLET	● Violet
ST35-BLUE	● Blue
ST35-ORANGE	● Orange
ST35-BROWN	● Brown
ST35-YELLOW	● Yellow

-18°C TO 105°C

UL CSA RoHS compliant

General Purpose PVC Electrical Tape

StrongHold™ General Purpose PVC Electrical Tape is an economical 7 mil, high-elongation vinyl tape with non-corrosive, pressure sensitive rubber adhesive. Excellent conformability properties. Abrasion and weather-resistant. Excellent mechanical and electrical insulation properties. Wraps smoothly and holds tight over a wide temperature range. Suitable as primary insulation when splicing up to 600 Volts or 80°C (176°F).

StrongHold™ General Purpose comes in black (ST14) and in nine colors for color coding (ST17). Individual cellophane wrapped rolls.

- 7 mil thickness
- 14°F to 176°F (-10°C to 80°C)
- 200% elongation typ
- 25 N/cm breaking strength typ
- 1.6-1.8 N/cm sticking power typ (adhesion to steel at 72° F)

StrongHold ST14

3/4" x 60' x .007"
19mm x 18m x .177mm

Part Number	Color
ST14	● Black

StrongHold ST17

3/4" x 66' x .007"
19mm x 20m x .177mm

Part Number	Color
ST17-WHITE	○ White
ST17-GREEN	● Green
ST17-GRAY	● Gray
ST17-RED	● Red
ST17-VIOLET	● Violet
ST17-BLUE	● Blue
ST17-ORANGE	● Orange
ST17-BROWN	● Brown
ST17-YELLOW	● Yellow

-10°C TO 80°C

UL CSA RoHS compliant

Heavy Duty PVC Electrical Tape

StrongHold™ Heavy Duty PVC Electrical Tape applies easily and provides a high level of performance over a range of temperatures. Protects against abrasion, water, oil, and other corrosive chemicals. Flame retardant, UV resistant, cold resistant, non-corrosive, lead free. Suitable as primary insulation when used for splicing up to 600 Volts or 80°C (176°F) and can be used as protective outer jacket in low temperature applications.

- 8.5 mil thickness
- 0°F to 221°F (-18°C to 105°C)
- 300% elongation typ
- 30 N/cm breaking strength typ
- 2.2 N/cm sticking power typ (adhesion to steel at 72° F)

-18°C TO 105°C

StrongHold ST88

3/4" x 66 x .0085"
19mm x 20m x .21mm

Part Number	Color
ST88	● Black

2" x 66' x .0085"
50.8mm x 20.1m x .021mm

Part Number	Color
ST88-2	● Black

Self-Fusing Silicone Tape

Wrap 'N Seal Self-Fusing Silicone Tape self fuses and cures in 24 hours to form a permanent, moisture-tight seal. Ideal for high temperature and marine use.

- Has no adhesive lining, applying cleanly with no sticky residue
- Center ridge acts as a wrapping guide for a uniform application

-65°C TO 260°C

Wrap 'N Seal Tape

1" x 20'
25.4mm x 6.1m

Part Number	Color
SW-BLK	● Black
SW-WHT	○ White
SW-GRN	● Green
SW-GRY	● Gray
SW-RED	● Red
SW-BLU	● Blue
SW-ORG	● Orange
SW-CLR	○ Clear
SW-YEL	● Yellow
SW-GLO	○ Glow in the Dark

Sealant Tape

Canusa® CTSB-2 Rubber Based Sealant Tape is specially designed for use with heat shrink tubing. This nonconductive material softens to fill voids, provides a superior waterproof seal, remains flexible over time, and provides excellent adhesion to PVC, PE, and steel.

-30°C TO 85°C

CTSB-2 Sealant Tape

2" x 25'
50.8mm x 7.62m

Part Number	Color
CTSB-2	● Black

Canusa® CTSG-1 Sealant Tape is a crosslinked, gray butyl tape suitable for continuous high temperature applications. This nonconductive material environmentally seals areas and tubing, smooths transitions and protects sharp edges, and is resistant to common fluids and solvents.

-30°C TO 105°C

CTSG-1 Sealant Tape

1" x 25'
25.4mm x 7.62m

Part Number	Color
CTSG-1	● Gray

Panduit® Manual Dieless Hydraulic Compression Tool

Features
- Crimps copper compression lugs and splices from 4 AWG up to 750 kcmil
- Dieless operation — no separate dies to buy or lose
- Develops 6.2 tons of crimping force with four point indenter system
- Two-stage rapid advance hydraulic system minimizes number of pumps required to complete a crimp
- Crimp head rotates 360 degrees for use in restricted spaces
- Aluminum crimp head and fiberglass handles reduce weight

Part Number CT-980

- Flip-top crimp head design allows easy loading of connectors, saves time
- Audible "pop-off" valve indicates crimp completion

Manual Hydraulic Crimping Tool

Self-Contained Hydraulic Crimping Tool installs copper and aluminum connectors and lugs, and 2-way connectors. Features rapid-ram advance mechanism for fast installation, and short fiberglass handles for confined work spaces. Achieves 14 tons of compression force, and uses standard shell dies (sold separately below). Tool comes with carrying case.

Installation Range

Lugs and Splices
Copper   8 AWG to 750 MCM
Aluminum   10 AWG to 750 MCM

Features
- Two stage pump for rapid advance
- Compatible with all 15500 Series die sets
- Installs lugs and connectors through 750 MCM
- Installs grid connectors through 500 MCM and 5/8" rod
- Uses standard T&B color color-keyed dies shown below
- Weighs 15.4 lbs (less case), 24.4" in length

Part Number EP510

Hydraulic Head Dies

Crimping Dies and Connectors are color coded for easy matching.

- Embosses die index number on connector barrels for post crimp inspection.
- Part number permanently marked on crimping die for easy identification.
- Provides circumferential crimp results in terminations with premium electrical and mechanical performance.

Head Dies

Polar Wire	Ilsco	T&B	Burndy	Panduit	Wire Range	Color Code
DIE-8	ILD-1	15520	U8CRT	CD-920-8	8 AWG	Red
DIE-6	ILD-2	15522	U5CRT	CD-920-6	6 AWG	Blue
DIE-4	ILD-3	15527	U4CRT	CD-920-4	4 AWG	Gray
DIE-2	ILD-4	15528	U2CRT	CD-920-2	2 AWG	Brown
DIE-1	ILD-4	15513	U1CRT	CD-920-1	1 AWG	Green
DIE-1/0	ILD-5	15508	U25RT	CD-920-1/0	1/0 AWG	Pink
DIE-2/0	ILD-6	15526	U26RT	CD-920-2/0	2/0 AWG	Black
DIE-3/0	ILD-9	15530	U27RT	CD-920-3/0	3/0 AWG	Orange
DIE-4/0	ILD-10	15511	U28RT	CD-920-4/0	4/0 AWG	Purple
DIE-250	ILD-11	15510	U29RT	CD-920-250	250 MCM	Yellow
DIE-300	ILD-12	15534	U30RT	CD-920-300	300 MCM	White
DIE-350	ILD-13	15514	U31RT	CD-920-350	350 MCM	Red
DIE-400	ILD-14	15512	U32RT	CD-920-400	400 MCM	Blue
DIE-500	ILD-15	15506	U34RT	CD-920-500	500 MCM	Brown
DIE-600	ILD-16	15536	U36RT	CD-920-600	600 MCM	Green
DIE-750	ILD-17	15515	U39RT	CD-920-750	750 MCM	Black

Panduit ® *6.2 Ton Lithium-Ion Dieless Hydraulic Crimper*

Uni-Die Dieless Hydraulic Crimping Tool develops 6.2 tons of force to crimp 4 AWG to 750 kcmil copper compression lugs and splices, and crimps 25% faster than most comparable tools. Includes two batteries, charger, shoulder strap, and tool bag.

Part Number
CT-2980L

Features

• Up to135% more crimps per charge than tools with NiCd or NiMH batteries (up to 183 crimps with a Panduit 500 kcmil lug)
• Provides UL Listed and CSA Certified wire range-taking capability with Panduit copper lugs and splices
• ~3.5 second crimp cycle time
• Ergonomically balanced and lightweight, only 11.75 lbs. with battery
• Aluminum alloy flip-top crimp head rotates 360°
• Audible "pop-off" valve indicates crimp completion
• 120 VAC (230 VAC model also available)

Panduit ® *6.7 Ton Lithium-Ion Dieless Inline Hydraulic Crimper*

The Panduit® BlackFin® **Lithium-ion Dieless In-line Hydraulic Crimp Tool** makes terminations quick and easy thanks to a low-profile 350-degree rotating flip-top crimp head, and a variable crimp force of 3.4 - 6.7 tons (30-60 kN).

Features

• Crimps 8 AWG – 600 kcmil Code and 8 AWG – 373 kcmil flex copper lugs and splices, and 6 AWG – 350 kcmil aluminum lugs and splices
• 2-stage hydraulic system features telescoping indenter, rapid advance and power stroke, 2-7 second crimp cycle, and automatic retraction on completion
• Manual retraction stop with "teach in" feature to set position of piston stop
• Integrated pressure measurements system monitors crimping pressure 32x/second for correct crimp force, and provides visual and audible signals if full crimp force is not attained
• Quick motor stop for high user safety
• Tool function readout via infrared sensor and optional CT-USB adapter
• LED worklight for workpiece illumination
• Ergonomic, low profile, in-line design with soft rubber inlay comfort grips, one button operation
• 300 crimps on a 300 kcmil (150mm²) copper code lug per battery charge
• Includes two 18 vdc Li-ion, 3 Amp-hr batteries with fast 22 minute recharge time, charger, and plastic carrying case
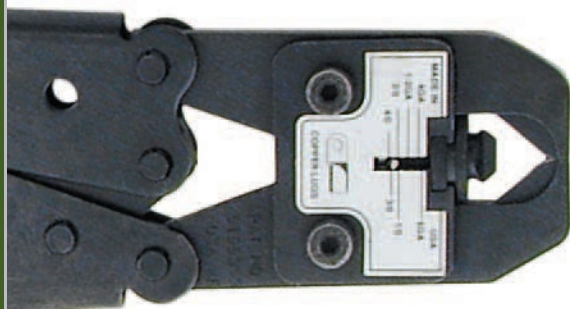
Part Number
CT-3980

Ilsco® Tri-Form Compression Crimper

The **Tri-Form Compression Crimper** distributes equal force on all three sides of its unique dieless triangular crimp, eliminating pinching and fracturing and producing a homogenous mass of copper. Crimps battery terminals, connectors and heavy-duty lugs from 6 AWG through 4/0 AWG.

• Over 50 settings—two finger dial adjusts settings quickly and accurately
• Bench tool version has angle iron mounting brackets, good visibility of crimp location, and provides added leverage

Handheld
Part Number
CT-804
Length 25"
Weight 5 lbs

Bench Mount
Part Number
BT-904
Length 23"
Weight 6.2 lbs

Ilsco® Correct Crimp Compound Crimper

Correct Crimp exerts 5 tons of force for fast, complete crimps. Its built-in diamond shaped rotating dies quickly adjust to accommodate various terminals and lugs. Produces a solid mass of copper every time, assuring a low-resistance connection. Single screw adjustment provides for easy calibration to compensate for die wear. Crimps battery terminals, lugs and connectors. 6 AWG to 250 MCM range.

Handheld 94285 includes a controlled cycle ratchet mechanism— once a crimp is started, the tool will not release until the crimp cycle is complete. Quick override lever for safety.

Handheld
Part Number 94284
Length 25"
Weight 5.9 lbs

Controlled Cycle
Handheld (not pictured)
Part Number 94285
Length 25"
Weight 6.2 lbs

Same as 94284 with controlled mechanism to assure full closure of tool

Bench Mount
Part Number
94284-BM
Length 20"
Weight 7.8 lbs

Ilsco® Heavy Duty Crimper

Heavy Duty Crimper features a dieless single indent compressor; there are no separate dies to buy or lose.

• Broad wire range—crimps 8 AWG to 4/0 AWG aluminum, and 8 AWG to 250 MCM copper

• Steel adjusting knob provides fast and easy setting—simply align the wire size gauge to the die nest

Part Number MT-25

• Ilsco's standard line of connectors are UL Listed when crimped with this tool

Eclipse® Economy Heavy Duty Crimper

Economy Heavy Duty Crimper terminates insulated and non-insulated cable lugs from 8 AWG to 250 MCM copper and 8 AWG to 4/0 aluminum with dual capacity plates.

• Easy-to-use adjustment knob on top of tool

• Non-ratcheted

Part Number 300-107

Heavy Duty Hammer Crimp Tool

Part Number 94840

This **Heavy Duty Hammer Crimp** is a compact and durable tool for crimping lugs and terminals from 6 AWG to 4/0. Made of high strength steel, the hammer crimp tool features a V-shaped nest for a solid crimp each time with the simple swing of a hammer. A terminal and lug size guide lets you know the crimp is complete.

• Crimps with a hammer

• Small, portable, easy to use

Panduit® Contour Crimp

The **Contour Crimp** controlled cycle ratchet crimping tool crimps 8 to 1 AWG copper lugs and splices, 6 to 4 AWG aluminum lugs and splices, and 8 to 2 AWG non-insulated S Series tubular terminals. The rotary die-wheel locks easily into position with a push-button mechanism. Each die is embossed with die-code color. Nest includes red, blue, gray, brown, and green.

Part Number CT-1700

TOOLS

Molex® ServiceGrade™ Ratchet Hand Crimper

Ratchet Hand Crimper crimps heat shrink terminals 22 to 10 AWG (rings, /s, hooks, 3 and 4 ways, and splices).

• Full cycling ensures complete crimps
• Small handle spread is ideal for all users
• Crimp release for operator safety

Part Number
RHT-5770

Ilsco® Compound Action Crimper

Compound Action Controlled Crimper is specifically designed for heat shrink style terminals. Elliptical nest for crimping insulated terminals.

• Wire range 22 to 10 AWG
• Weight: 12.4 oz.   Length: 9 1/8"

Part Number
94130

Pro'sKit® Crimp Frames and Die Sets

Pro'sKit® **Crimping Tools** use interchangeable die sets to crimp a wide variety of connectors for electrical and industrial wire, twisted pair and flat phone cable, fiber optic cable, coaxial cable, etc. All metal parts are oil-hardened tempered steel. Precision dies and integral ratcheting mechanism ensure high crimp quality.

• Choose frames and die sets individually for maximum versatility and cost efficiency
• Dies are changed easily with thumbscrews
• Crimping pressure adjustment wheel
• Ratcheting action for perfect crimps
• Lever action, ergonomic, non-slip handles

CrimPro Crimp Frame
Die set sold separately
Part Number
902-085

Lunar Crimp Frame
Part Number
300-054

Ergo-Lunar Crimp Frame
Part Number
300-096

Crimp Frames and Die Sets sold individually

Interchangeable Die Sets

Die	Profile	Part Number	Application	Crimp Size
		300-039	Open Barrel Contacts	AWG 22-18/16-14/12-10 DIN 0.5-1.0/1.5-2.5/4.0-6.0mm²
		300-058	Red, Yellow, Blue Nylon and Vinyl Insulated Terminals	AWG 22-18/16-14/12-10 DIN 0.5-1.0/1.5-2.5/4.0-6.0mm²
		300-070	Insulated Flag Terminals	AWG 22-18/16-14 DIN 0.5-1.0/1.5-2.5mm²
		300-071	Uninsulated Flag Terminals	AWG 22-18/16-14 DIN 0.5-1.0/1.5-2.5mm²
		300-077D	Insulated and Non-Insulated Wire Ferrules	AWG 6/4/2 DIN 16/25/35mm²
		300-095	Uninsulated Terminals	AWG 20-18/16-14/12-10/8 DIN 0.5-1.0/1.5-2.5/4.0-6.0mm²
		300-097	Insulated and Non-Insulated Wire Ferrules	AWG 22/20/18/16/14/12 DIN 0.5/0.75/1.0/1.5/2.5/4.0mm²
		300-101	Red, Yellow, Blue Nylon/Vinyl Thinstyle Insulated Terminals	AWG 22-18/16-14/12-10 DIN 0.5-1.0/1.5-2.5/4.0-6.0/10.00mm²
		300-103	Insulated and Non-Insulated Wire Ferrules	AWG 10/8/6 DIN 6/10/16mm²
		300-104	Nylon and Vinyl Miniature Insulated Terminals	AWG 26-16 DIN 0.2-1.5mm²
		9PK-3003D27	Insulated Terminals	AWG 22-18/16-14/12-10/8 DIN 0.5-1.0/1.5-2.5/ 4.0-6.0mm²/ 10.0mm²
		9PK-3003D42	Yellow and Blue Insulated Flag Terminals	AWG 16-14/12-10 DIN 1.5-2.5/4.0-6.0mm²
		CP-5S2D	Multi-Contact (MC4) 04mm Solar Contacts	AWG 14/12/10 DIN 2.5/4.0/6.0mm²

EK50ML Micro Crimping Tool

The new EK50ML battery powered **Micro Crimping Tool** combines the benefits of manual crimping tools with the convenience of battery-powered hydraulic tools. This lightweight tool can deliver 3,400 pounds of crimping force and crimps 65 percent faster with 90 percent less hand force compared to ratcheting tools, making it the ideal crimper for high volume, time critical jobs.

The EK50ML is designed to crimp 28 – 4 AWG wire using PowerSense™ Technology, a patented trigger which allows you to hold your work in the jaws of the tool before crimping. Powered by a compact 10.8V Lithium-Ion battery, the EK50ML Micro Crimping Tool can perform 250 crimps to 10 AWG wire on a single battery charge.

Intelligent Crimping System Technology monitors amp draw for each crimp and provides a visual alert if a crimp does not complete a full cycle.

Features

• Includes 2 die sets to crimp 22-10 AWG heat shrink terminals and nylon insulated terminals; other die sets sold separately
• Patented jaw actuation for crimping cycle
• Crimps three times faster and with 90% less force
• Reduces hand force from 53 pounds to 6 pounds
• 1.2 seconds to perform crimp using one finger
• 65% faster crimping than ratcheting tools (1.2 seconds vs 3.5 seconds)
• Innovative PowerSense™ trigger holds work to be crimped
• When crimping is complete, simply release the trigger to open the jaws for the next crimp
• Overmolded tacky grip for maximum comfort and security
• Multifunction LED for maintenance display and data transfer via optional interface and USB adapter
• LED work light for use in dark areas
• LED battery level indicator monitors charge
• 10.8V Li-ion battery can perform up to 250 crimps to 10 AWG wire on one battery charge
• Weighs just 2.2 lbs with battery
• 12mm Jaw

Part Number
EK50ML

Many more dies available soon. Contact us!

Includes micro crimper, 10.8V Li-ion battery, 110V battery charger, two die sets, and case

Crimps 22-10 AWG heat shrink terminals
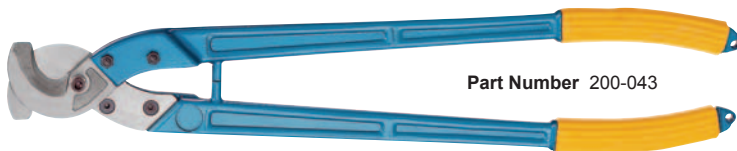
Crimps 22-10 AWG nylon insulated terminals

Eclipse® Economy Heavy Duty Cable Cutter

Heavy Duty Cable Cutter handles aluminum and soft copper cables up to 500 MCM.

• Rubberized cushioning in handles
• Heavy duty construction
• Jaw and handle designed for easy cutting

Part Number 200-043

Ilsco® Heavy Duty Cable Cutter

Heavy Duty Cable Cutter cuts up to 500 MCM copper or aluminum cable.

• Sharp, precision-ground Moly steel blades make clean, distortion-free cuts and stay sharper longer
• Durable 20 3/4" fiberglass handles

Part Number CTR-500

Ilsco® Manual Cutter

Manual Cutter cuts up to 2/0 AWG copper or aluminum cable— a great cutting range for a pouch tool.

• 7 1/2" overall length gives better leverage for easier cutting
• Sharp, precision-ground blades make clean, distortion-free cuts
• Blades are heat treated for long, dependable and durable operation
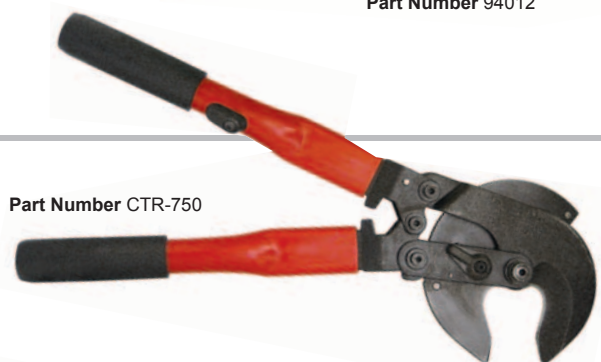• Narrow head design for easier access to confined areas

Part Number 94012

Ilsco® Ratchet Cable Cutter

Lightweight **Cable Cutter** with ratchet mechanism and open/close lever cuts up to 750 MCM copper or aluminum cable. 16" length.

• Alloy steel precision-ground replaceable blades

Part Number CTR-750

Eclipse® Economy Heavy Duty Ratchet Cutter

Heavy Duty Cable Cutter cuts aluminum and soft copper cables up to 1 1/4" or 500 MCM.

• Ratcheted with safety release
• Comfortable handles

Part Number 200-006

Eclipse® Forged Cable Cutters

Eclipse® high-leverage forged steel **Cable Cutters** cut solid and stranded copper and aluminum wire and cable. Sheer cut blades are shaped to keep cable round during cutting.
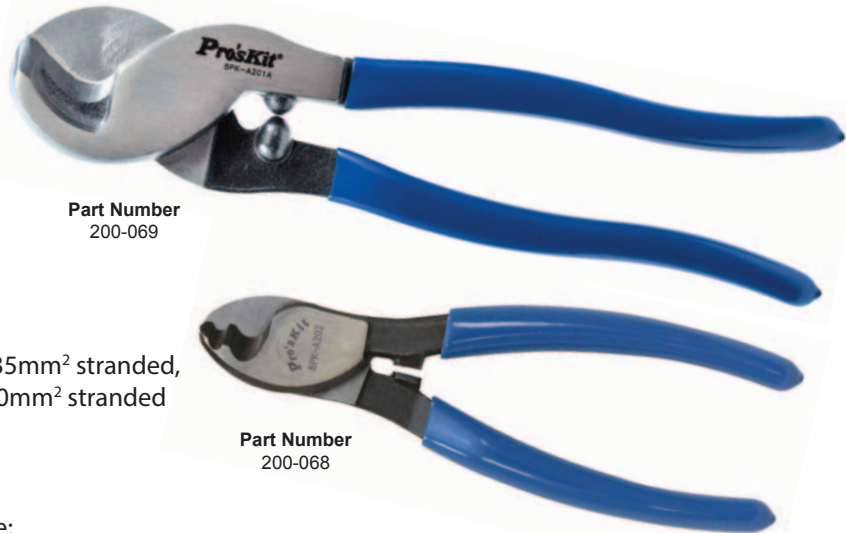
• Comfortable, non-slip PVC handles
• HRC 45°±3°, Cutting edge: HRC 60°±5°
• ISO 9001 Certified

200-069

• Cuts copper cable up to 16mm^2 solid, 35mm^2 stranded, and 70mm^2 flexible; aluminum up to 70mm^2 stranded
• 10" length

200-068

• Cuts copper cable up to 25mm^2 flexible; aluminum cable up to 25mm^2 stranded
• 6 1/2" length

Part Number
200-069

Part Number
200-068

Eclipse® Precision Wire Stripper

Eclipse® Precision Wire Stripper strips and cuts 10 AWG to 20 AWG wire. Precision-crafted and ruggedly constructed of durable materials.
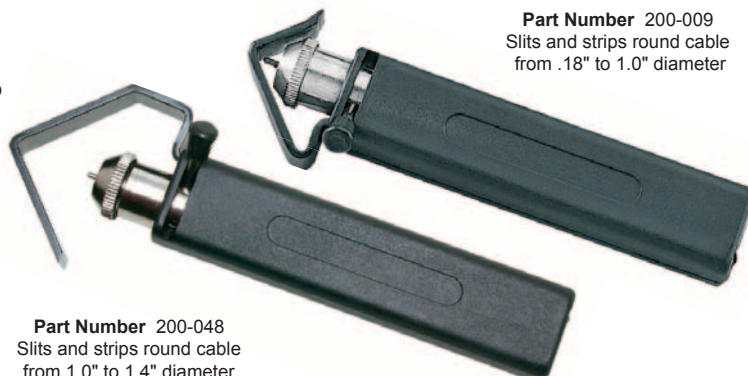
• Plier nose, cutter jaw, PVC handles, spring return
• Processed by CNC lathe for accurate size of notches
• Safety lock design for convenient storage

Part Number
200-010

Rotary Cable Stripper/Slitters

Eclipse® Rotary Cable Stripper/Slitters strips and slits round cable.

• Adjustable cutting depth allows the blade to be set to penetrate just through the jacket for clean removal with no knicked conductors or lost stranding
• Swivel blade for ring, spiral, and longitudinal cuts
• Use the shaped tip to separate and pull away the slit jacket

Part Number 200-009
Slits and strips round cable
from .18" to 1.0" diameter

Part Number 200-048
Slits and strips round cable
from 1.0" to 1.4" diameter

TOOLS

Iroda® Automatic Ignition Butane Torch

The heavy duty **Pro-Torch™ Butane Torch** provides a powerful and stable butane flame for demanding jobs where the highest BTU output is required. Precision orifice and controls. The ergonomic grip makes using the PT-500 comfortable at most any angle.

- State of the art waterproof Piezo Electronic Ignition system
- Large fuel tank provides up to 200 minutes use on each filling
- Powerful high-output wind-resistant flame
- Sturdy heavy duty ribbed aluminum body with comfort grip
- Easily refilled with any brand of butane gas
- Flame adjustment for the most demanding applications

Part Number
PTB-500

Length: 4.73"
Height: 6.9"
Weight: 10.6 oz.

Iroda® Cordless Refillable Butane Heat Gun

The **Ultra-Therm Cordless Heat Gun** is designed for industrial use where high volume flameless heat is required. Its wide nozzle and high-output long life catalyst provide infinitely adjustable heat levels in a completely portable tool. Safe to use underhood where vapors may be present. Included deflector attachments make even heavy-wall shrink tubing a breeze to install. Use almost anywhere you would use a corded heat gun but without the cord!

- Instant-On Piezo Ignition with long life catalyst
- Rapid heat-up for immediate use
- High output element for demanding applications
- No cords to limit use
- Comfortable ergonomic grip
- Up to 120 minutes use on each fill
- Deflector circulates heat and protects nearby work
- Adjustable heat output

Part Number
UT-500

Length: 7.5"
Weight: 4.8 oz.

Iroda® Turbo-lite Butane Lighter and Torch

The elegant, multipurpose **Turbo-Lite Micro-Torch/Lighter** is designed for high style and function. Turbo-Lites are as useful as fully adjustable precision 1300°C (2400°F) torches as they are as reliable windproof lighters. Perfect as gifts or compact additions to the tool or emergency kit.

- 1300°C/2400°F pinpoint flame
- Piezo lifetime waterproof ignition system
- Simple twist flame adjustment
- Protective flip-open cap
- Stylish see-through fuel tank
- Five attractive colors
- Refills from standard butane fuel available everywhere

Part Number
MT-500

Length: 2.25"
Weight: 1.69 oz.

Portable Butane Heat Tools

The **Shrink Jet** flameless heat tool reaches temperatures up to 1250°F. Ideal for indoor and outdoor applications where open flame is not recommended.

Part Number	Length: 6"
94700	Weight: 3.4 oz

The **Micro-Jet** refillable open-flame butane heat tool is ideal for installing heat shrink tubing and connectors, making solder terminations, and many other applications.

Part Number	Length: 5"
94800	Weight: 3.2 oz

Heat Shrink Torch

Heat Shrink Torch screws directly onto 14 oz. and 16 oz. propane bottles with 1" connector. Cast aluminum body with durable, long lasting, baked-on epoxy finish, heavy-duty stainless steel burn tube. Push "ON" ignite button for instant starts. Air intake vent combines gas and air to provide the optimum flame setting. Regulator pressure for constant propane gas flow in any position. 1" wide brass burn-tip.

Part Number
HST-T1

Pro'sKit® Heat Gun and Accessories

Reflector for Heat Shrink

Scraper for Stripping Paint

Heat Concentrating Reducers

Part Number
SS-611A

Dual-temperature Heat Gun is ideal for heat shrink, melting adhesives, curing epoxy, stripping paint and more. 1000°F (538°C) and 600°F (315°C) heat settings.

The included nozzle accessories concentrate the heat where needed. Molded case.

Pre-Measured Solder

Pre-Measured Solder pieces provide the correct amount of solder for each wire gauge. Color coded for easy cable size identification.

Solder Service Kit available on page 88

Part Number	17900	17901	17902	17903	17904	17905	17906
Size	4 AWG	2 AWG	1 AWG	1/0	2/0	3/0	4/0

Solder-It™ Low Temperature Solder Paste

Solder-It™ Solder Paste is easy to use—no skill required, no flux required. Joins 22 different combinations of metal and is five times stronger than ordinary solder. Finished joint is bright silver, and won't tarnish or blacken.
• Low melting point of 430°F—works with the heat of a match or lighter
• Can also be used with soldering iron, open flame, butane, propane, acetylene, or MAPP gas

Part Number
17999

Pre-Assembled and Custom Service Kits

Polar Wire's refillable **Service Kits** are a convenient way to keep small parts stocked and ready for use. You'll have the part you need, when you need it.

Choose from our wide range of preassembled kits in three container sizes—or design your own custom kit from our extensive inventory of parts, and we'll put it together for you. Our drawer satchel and clear container storage systems can be configured and filled with exactly what you need to keep your projects and processes supplied.

Drawer Satchel Storage Container
18.5" x 12.5" x 3"

Large Clear Storage Container
13.5" x 9" x 2"

Clear Storage Container
10.75" x 7" x 1.75"

NYLON TERMINAL AND TOOL KIT
Nylon insulated ring, snap /, and quick slide terminals in sizes #6-8 to 1/2" for wire gauges 22-18, 16-14 and 12-10. Heat shrink and a quality wire crimper are included. 1391 pieces. Drawer satchel.
Part Number KIT-NYLONFIELD

NYLON TERMINAL KIT
Nylon insulated ring, snap /,and quick slide terminals, along with nylon splices in sizes from #6-8 to 1/2" for 22-18 AWG, 16-14 AWG and 12-10 AWG. 600 pieces. Drawer satchel.
Part Number KIT-NYLON

UNINSULATED TERMINAL KIT
Ring and quick slide terminals and splices in 22-18, 16-14, and 10-12 gauges and a variety of popular stud sizes. Clear storage container. 450 pieces.
Part Number KIT-UNINSULATED

PERMA-SEAL BASIC KIT   **Part Number** KIT-PERMA/BASIC
Popular 22-10 gauge ring terminals, male and female quick slides, and splices. 1000 pieces. Drawer satchel.

PERMA-SEAL TERMINAL MASTER KIT
22-10 gauge heat seal ring, /, and quick slide terminals in a variety of sizes, splices and stepdowns, and a high quality Perma-Seal crimping tool. 1901 pieces. Two drawer satchels.   **Part Number** KIT-PERMASEALX2

PERMA-SEAL FIELD KIT   **Part Number** KIT-PERMA/FIELD
22-10 gauge ring terminals, quick slide terminals, splices. 1000 pieces. Same kit as above, packed in a drawer satchel with tool storage space.

PERMA-SEAL TERMINAL KIT
22-10 gauge heat seal ring terminals, quick slide terminals, and splices in a variety of popular sizes. 90 pieces. Clear storage container.
Part Number KIT-PERMA/SMALL

PERMA-SEAL SPLICE KIT
22-18, 16-14, 12-10 and 8 gauge heat seal splices; 22-18 to 16-14, and 16-14 to 12-10 gauge stepdowns. 210 pieces. Clear storage container.
Part Number KIT-PERMASPLICE

LARGE PERMA-SEAL TERMINAL KIT
10-22 gauge heat seal ring, /, and quick slide terminals, along with splices in a variety of popular sizes. 240 pieces. Large clear storage container.
Part Number KIT-PERMASEAL

30 AMP POWER POLE KIT

Multicolored housings, male and female keys, 4-pole latched and panel mount housings, 8-, 6-, and 4-pole hardware kits, retaining pins, and contact tips. 72 pieces. Clear storage container.

Part Number
KIT-PP30

75 AMP POWER POLE KIT

Multicolored housings and dust covers, male and female mounting wings, 2-hole AL mounts, housing retaining pins, and contact tips. 57 pieces. Clear storage container.

Part Number
KIT-PP75

50 AMP POWER CONNECTOR KIT

Multicolored housings, dust covers, male and female mounting wings, 2-hole AL mounts, retaining pins, and contact tips. 26 pieces. Clear storage container.

Part Number
KIT-SY50

FERRULES KIT

Insulated ferrules in ten sizes from 20 to 2 gauge. 250 pieces. Clear storage container.

Part Number
KIT-FERRULE

SOLDER KIT

Color coded solder in premeasured pieces for 4, 2, 1, 1/0, 2/0, 3/0, and 4/0 AWG connectors. Flux and Solder-It™ Solder Paste included. 102 pieces. Clear storage container.

Part Number
KIT-SOLDER

WEATHER PACK KIT   **Part Number** KIT-WP

20-18, 16-14, 12 AWG connectors. Male and female terminals, shrouds, towers, plugs, seals. Tool optional. 299 pieces. Drawer satchel.

METRI PACK KIT   **Part Number** KIT-MP

Connectors in 20-18, 16-14 AWG, 12 and 10 gauge. Male and female housings, terminals, plugs, seals. 327 pieces. Drawer satchel.

DEUTSCH KIT   **Part Number** KIT-DT-SERIES

14 AWG to 18 AWG plugs, receptacles, pins, sockets, and wedgelocks. Includes an extractor and a crimp tool. 414 pieces. Drawer satchel.

ATC & ATM FUSE KIT　　**Part Number**　KIT-FUSE/LARGE
5 to 40 amp ATC and 4 to 30 amp ATM blade style fuses. 20, 30, and 40 amp ATC inline fuseholders, 20 and 30 amp mini-blade inline fuseholders. 417 pieces. Drawer satchel.

TERMINAL REPAIR KIT　　**Part Number**　KIT-SCT
Eco-Max® Top-mount flag, left, right, and straight solderless battery terminals in 1/0, 2/0, 3/0, and 4/0 gauges. 64 pieces. Drawer satchel.

PLATED LUG KIT　　**Part Number**　KIT-BCL
Heavy-duty closed-end plated copper eyelet lugs. 1/4", 3/16", 5/16" and 1/2" eyelets in 8 to 4/0 gauges. 355 pieces. Drawer satchel.

CIRCUIT BREAKERS KIT　　**Part Number**　KIT-BREAKERS
A wide selection of 12 volt circuit breakers in sizes ranging from 10 to 40 amps. 200 pieces. Two drawer satchels.
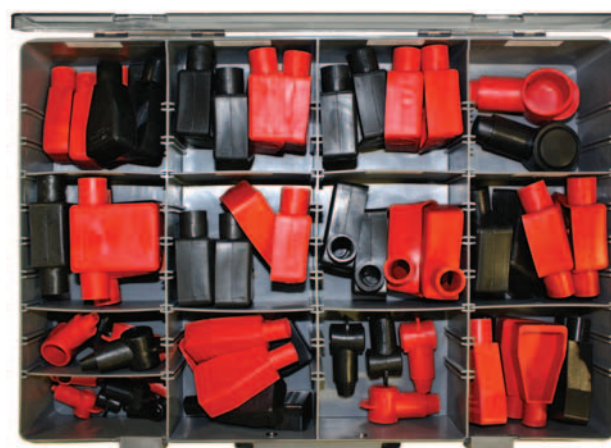
BATTERY BOOT KIT　　**Part Number**　KIT-BOOT
Top mount, flag, and alternator stud style boot covers in red and black. 10-18, 8-2, 2-1, 1/0-2/0, and 3/0-4/0 gauges. 54 pieces. Drawer satchel.

HEAVY DUTY HEAT SHRINK KIT **Part Number** KIT-HS-HD
Black and red adhesive lined heavy wall heat shrink tubing in 12"
lengths. 1/3", 1/2", 3/4" and 1" diameters. 32 pieces. Drawer satchel.

COLOR HEAT SHRINK KIT **Part Number** KIT-HS-COLOR
Double-satchel kit stocked with adhesive-lined dual wall heat shrink
tubing in 12" lengths and diameters of 1/8" to 1". Black, red, clear,
white, green, yellow, and blue. 124 pieces. Two drawer satchels.

For heat shrink specifications, see pages 43 and 44

LARGE HEAT SHRINK KIT **Part Number** KIT-HS-LARGE
Black, clear, and red adhesive lined dual wall shrink in 12" lengths. 1/8",
3/16", 1/4", 3/8", 1/2", 3/4" and 1" diameters. 134 pieces. Drawer satchel.

*Polar Wire Arctic Ultraflex Blue® custom cables link the solar
batteries in this energy storage bank. Our cables are finished with
tough, adhesive lined heat shrink to seal out dirt and corrosion.*

SMALL HEAT SHRINK KIT
Black, clear, and red adhesive lined dual wall shrink tubing
in 12" lengths. 3/16", 1/4", 3/8", and 1/2" to 1" diameters.
40 pieces. Large clear storage container.
**Part Number** KIT-HS-SMALL

BLACK & WHITE WIRE TIES KIT   **Part Number** KIT-TIES
Popular 4", 5", 7", 8", and 11" cable ties with tensile strengths of 18 to 120 pounds. 3/4" and 1" adhesive mounts. 900 pieces. Drawer satchel.

NYLON HOLE PLUGS KIT   **Part Number** KIT-HOLEPLUGS
Nylon hole plugs in twelve sizes from 1/4" to 1" diameter. 1150 pieces. Drawer satchel.

METAL CABLE CLAMP KIT   **Part Number** KIT-MCC
Vinyl-dipped metal cable clamps in eleven sizes from 1/4" to 1 3/4" diameter. 120 pieces. Drawer satchel.
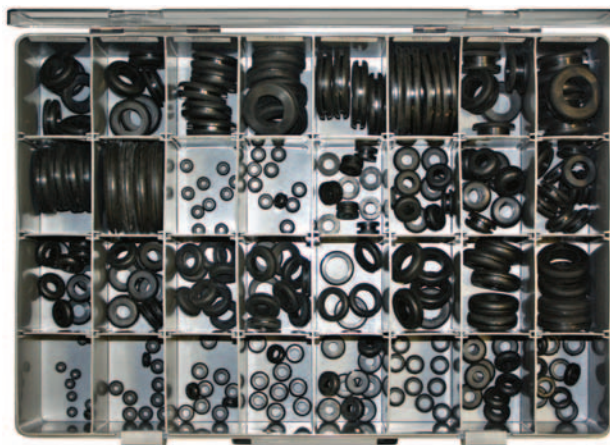
RUBBER GROMMET KIT   **Part Number** KIT-RG
Selection of rubber grommets in sizes to fit holes from 3/16" to 2-1/2" diameter and panels 1/16" to 1/4" thick. 245 pieces. Drawer satchel.

NYLON CABLE CLAMP KIT   **Part Number** KIT-NYLONCLAMPS
Black nylon cable clamps in ten sizes from 1/8" to 1" diameter. 800 pieces. Drawer satchel.

Customize Your Kit!

Polar Wire Service Kits are perfect for keeping the exact parts you need stocked and ready to use. Choose from the thousands of quality components in our catalog or online store, and we'll put together a kit that is organized, labeled and easily refillable.

Call us to order!

SY® Power Connectors and Contact Tips

The **SY® Power Connector** is designed for use as a power quick-disconnect in automotive, RV, and marine applications, as well as other high-current DC charging circuits.

SY® connector housings are genderless and mechanically keyed by color—connectors of the same color and size are mated together by simply flipping one over. The keyed design visually and physically prevents accidental cross-mating.

-20°C TO 105°C

Features

- UL rated for 600 volts
- Single-piece impact-resistant Polycarbonate Lexan® housings
- Superior tolerance to extreme cold and heat
- Solid copper contacts are plated with 99.9% pure silver for maximum conductivity with low resistance
- Unique "ramplock" action allows contacts to be easily mated yet securely locked in position
- Integral tempered 301 stainless steel springs maintain constant pressure on the contacts to ensure consistent, low resistance connections and resist vibration arcing
- Self cleaning design keeps conductive surfaces corrosion-free
- Heat-treated, flared barrels readily accept fine stranded wire

Applications

- Marine, auto, and RV accessories
- Jumper cables and harnesses
- Equipment and Service Trucks
- Allows one connection system to meet multiple needs

Contacts

50 Amp

Part Number	Gauge
SY50-TIP-10	10-12 gauge
SY50-TIP-8	8 gauge
SY50-TIP-6	6 gauge

120 Amp

Part Number	Gauge
SY120-TIP-6	6 gauge
SY120-TIP-4	4 gauge
SY120-TIP-2	2 gauge

175 Amp

Part Number	Gauge
SY175-TIP-6	6 gauge
SY175-TIP-4	4 gauge
SY175-TIP-2	2 gauge
SY175-TIP-1	1 gauge
SY175-TIP-1/0	1/0 gauge

350 Amp

Part Number	Gauge
SY350-TIP-1/0	1/0 gauge
SY350-TIP-2/0	2/0 gauge
SY350-TIP-3/0	3/0 gauge
SY350-TIP-4/0	4/0 gauge

Housings

50 Amp

Part Number	Color
SY50-GRY	Gray
SY50-RED	Red
SY50-BLK	Black
SY50-BLU	Blue
SY50-YEL	Yellow

120 Amp

Part Number	Color
SY120-GRY	Gray
SY50-RED	Red
SY120-BLU	Blue

175 Amp

Part Number	Color
SY175-GRY	Gray
SY175-BLU	Blue
SY175-ORG	Orange
SY175-YEL	Yellow
SY175-RED	Red

350 Amp

Part Number	Color
SY350-GRY	Gray
SY350-BLU	Blue
SY350-RED	Red
SY350-GRN	Green
SY350-ORG	Orange
SY350-YEL	Yellow
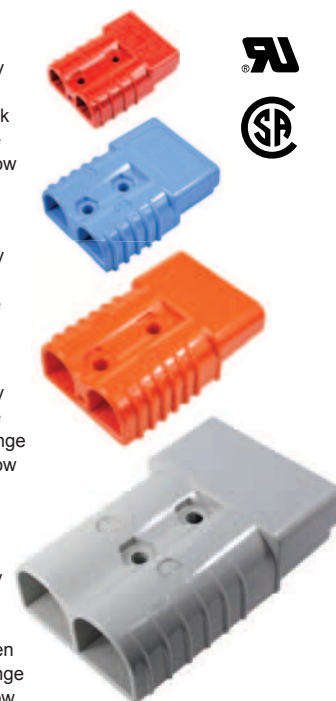
Power Connector Service Kit available on page 88

Custom Power Connector Cables, Protective Covers

Protective SY Covers

Black Polycarbonate Cover

Housing Size	Part Number
175 Amp	STC905
350 Amp	STC906

Black Rubber Cover

Housing Size	Part Number
350 Amp	STC902-BLK
175 Amp	STC903-BLK
50 Amp	STC904-BLK

Red Rubber Cover

Housing Size	Part Number
350 Amp	STC902-RED
175 Amp	STC903-RED
50 Amp	STC904-RED

Custom Power Connector Cables

Polar Wire Cables and Harness Systems are built with premium cold weather *Arctic Ultraflex Blue*® and *Arctic Superflex Blue*® flexible wire.
Get the specific cable configurations you need, properly crimped and shrink sealed for best performance and longevity.
Quality checked at every step. Fast turnaround. Call us to order!

CUSTOM CABLES
LIFETIME LIMITED
POLAR WIRE PRODUCTS
WARRANTY

400 Amp Single Pin Inline and Panel Mount Connectors

CLS Series Single Pin Inline Connectors are designed for maximum resistance to excessive torque loading. Constructed of weatherproof materials.

- NEMA 3R and NEMA 4R rated for wet locations
- UL Listed and CSA Certified
- Accepts up to 400A/600V

CL Series Single Pin Panel Mount Connectors feature super tough nylon housings that won't chip or crack under extreme temperature and impact conditions.

- Stud Post or Set Screw style
- Self-threading screws
- Accepts up to 400A/600V
- Mounts with self-tapping stainless screws, eliminates lock washers and nuts

400A Inline Connectors

Size AWG	Male Part Number	Female Part Number
6–2	CLS2MB-**X**	CLS2FB-**X**
2–2/0	CLS20MB-**X**	CLS20FB-**X**
2/0–4/0	CLS40MB-**X**	CLS40FB-**X**

Male   *Female*

400A Panel Mount Connectors

Size AWG	Male Part Number	Female Part Number
Stud Post Style		
2/0–4/0	CL40MRSB-**X**	CL40FRSB-**X**
Set Screw Style		
2–2/0	CL20MRB-**X**	CL20FRB-**X**
2/0–4/0	CL40MRB-**X**	CL40FRB-**X**

Male   *Female*

Stud Post Style

Set Screw Style

1.125"
0.50"
2.250"
2.150"
2.250"
1.50"
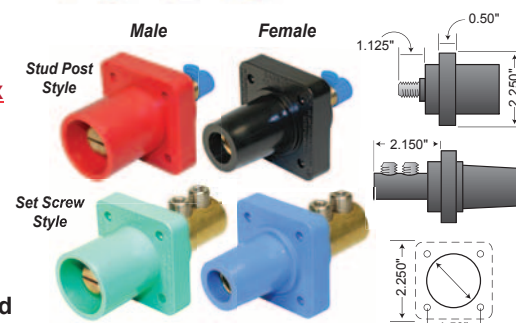
Protective Covers with Lanyard

Part Number CL40FC-X
Fits Female Connector

Part Number CL40MC-X
Fits Male Connector

Available colors:
- ● Black **(A)**
- ○ White **(B)**
- ● Red **(C)**
- ● Blue **(D)**
- ● Green **(E)**
- ● Brown **(F)**
- ● Orange **(G)**
- ● Yellow **(H)**

TO ORDER, add desired color code **(X)** to the part number. Example: CLS2MB-**C**

Custom CLS Cables

We build *Arctic Ultraflex Blue®* pin connector cables to your exact specifications. Rigorous quality. Lifetime warranty. Call us today!

400 Amp Couplers and T Connectors

Hard 3-Line Tap
Male to 3 Females
Part Number CA3F-X

Reverse Hard 3-Line Tap
Female to 3 Males
Part Number CA3M-X
*(White **(B)** and green **(E)** only)*

Soft 3-Line Tap
Male to 3 Females
Part Number CA3FST-X

Paralleling T
Female to 2 Males
Part Number CPT-X

Tapping T
Male to 2 Females
Part Number CTT-X

Available colors:
- ● Black **(A)**
- ○ White **(B)**
- ● Red **(C)**
- ● Blue **(D)**
- ● Green **(E)**

TO ORDER, add desired color code **(X)** to the part number. Example: CA3F-**E**

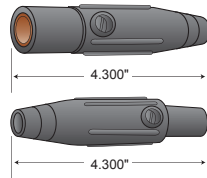# 150 Amp Single Pin Inline and Panel Mount Connectors

CLM Series Inline Connectors have a Santoprene housing. Nylon retaining screw provides maximum fixation. Withstands heavy torque loading. Made of weatherproof materials.

- NEMA 3R and NEMA 4R rated for wet locations
- UL Listed and CSA Certified
- Accepts up to 150A/600V

CLM Series Panel Mount Connectors are supplied with self-threading screws.

- Stud Post or Set Screw style
- Santoprene housing
- Accepts up to 400A/600V

Custom CLM Cables

Our *Arctic Ultraflex Blue®* single pin connector cables are built to strict quality standards, right here in the USA. Made to order in any quantity. Lifetime warranty. Call to order!

150A Inline Connectors   8 to 2 AWG

4.300"

4.300"

Male
Part Number
CLM2M-**X**

Female
Part Number
CLM2f-**X**

150A Panel Mount Connectors   8 to 2 AWG

Stud Post Style

Male
Part Number
CLMMRS-**X**

Female
Part Number
CLMFRS-**X**

Set Screw Style

Male
Part Number
CLMMR2-**X**

Female
Part Number
CLMFR2-**X**

1.00"

.375"

.50"

1.88"

1.88"

1.375"

Mounting Hole Centers
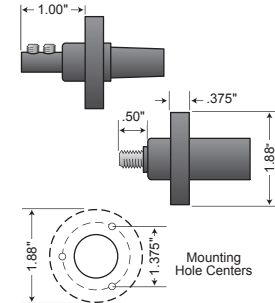
Protective Covers with Lanyard

Part Number
CLMMC-**X**
Fits male connector

Part Number
CLMFC-**X**
Fits female connector

Available colors:

- ● Black **(A)**
- ○ White **(B)**
- ● Red **(C)**
- ● Blue **(D)**
- ● Green **(E)**
- ● Brown **(F)**
- ● Orange **(G)**
- ● Yellow **(H)**

TO ORDER, add desired color code **(X)** to the part number. Example: CLM2M-**B**

400 Amp to 150 Amp Cam Reducers

Cam Reducers and **Reducer Connectors** step down cable connections from large cam to small cam inline.

Cam Reducer

Part Number	Amperage Reduction
CLMAD3F-**X**	400A / 600V Male to 3 150A / 600V Females

Reducer Connectors

Part Number	Amperage Reduction
CLMADFF-A	400A Female to 150A Female (available in Black only)
CLMADMF-**X**	400A Male to 150A Female
CLMADFM-**X**	400A Female to 150A Male
CLMADMM-**X**	400A Male to 150A Male

Available colors:

- ● Black **(A)**
- ○ White **(B)**
- ● Red **(C)**
- ● Blue **(D)**
- ● Green **(E)**

TO ORDER, add desired color code **(X)** to the part number. Example: CLMAD3F-**D**

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

DC Power Plugs and Receptacles

12V High AMP Trolling Motor Plugs, Receptacles, and Covers

ConnectPro® **Motor Trolling Plugs and Receptacles** feature o-ring seals, weather resistant plug covers and sealing caps for waterproof connections.

- Exclusive marine grade turn-locking connection
- Weather resistant seals and covers safeguard electrical contacts from water and corrosion
- Universal design works with 12, 24, 12/24, 24/36, and 36 Volt 2 or 3 wire systems
- Plating protects brass electrical contacts from power robbing corrosion
- Soft contoured plug cover keeps away dirt and moisture, makes hook-ups and blade alignment easy
- Accepts up to 8 AWG wire
- Receptacle mounts in standard 1-1/8" hole from front or rear, mounting plate included
- Easy install—no crimping, shrink or tape needed

2-Wire Plug
12VBPS2

12VBPS2 and 12VBRS2 also sold as a set
Set Part Number *12VCPS2*

2-Wire Receptacle
12VBRS2

Cover 300251
for two or three wires

3-Wire Plug
12VBP

3-Wire Receptacle
12VBR

Cover 300297
for single wire up to 1/2" diameter

12VBP and 12VBR also sold as a set
Set Part Number *12VCP*

12V Marine Grade Plug and Receptacle

- Corrosion resistant marine grade construction
- Receptacle mounting plate included
- Watertight receptacle cap
- Plug features LED power indicator
- Easy to install

Plug
12VPG

12VPG and 12VRC also sold as a set
Set Part Number 12VPK

Receptacle
12VRC

AC Power Inlets and Covers

125V Power Inlets

- Durable corrosion and UV resistant construction
- Easy to install
- Increases security
- Water-tight cap
- Great for 5th wheels, trailers, and campers
- UL Listed and CSA Certified

15 AMP
150BBI.RV
Uses standard household style 3-prong plug

20 AMP
200BBI.RV
Use with 20A straight blade extension cord

Weatherproof Covers

Part Number
6017
for 15A and 20A Straight Blade and 15A Locking Plugs

Part Number
6018YIRV
for 15A and 20A female receptacles

Part Number
7715CRV
for 50 AMP female connectors

Part Number
103ELRV
for 20A and 30A female connectors

AC Plugs and Connectors

Illuminated, standard, and corrosion resistant **3-wire Plugs and Connectors** in 15, 20, and 30 AMPS. Straight blade and locking styles.

Features

- Tough ribbed nylon housing resists corrosion and a wide range of chemicals
- 15A and 20A accept #18 to #10 gauge wires
- Solid brass blades, contacts, terminal screws
- Single piece, rivetless contact design means less chance for resistance and heat rise
- Open terminals, close-in wire entrance holes and generous wiring space for easy wiring
- Internal cord clamp insert allows use of greatest range of cord sizes
- Designed with the installer in mind to minimize labor and ensure ease of assembly

ConnectGlow Devices

- Bright neon bulb with full 360° visibility lights up when a circuit is energized
- Mag-Vu™ window magnifies bulb and terminal for easy inspection
- 5 year limited warranty

Corrosion Resistant Devices

- Marine grade construction
- Exclusive cover provides waterproof seal
- Nickel plated blades and contacts with stainless steel screws for excellent conductivity in corrosive environments
- Independent lab certified corrosion resistant per 240-hour 5% salt spray test in accordance with ASTM B117
- 5 year limited warranty

Applications

- Power-driven hand tools
- Electrical industrial equipment
- Temporary taps at construction sites
- Staging and entertainment equipment
- Broadcast studio equipment
- Hospital/healthcare equipment
- Fire-protection equipment
- Manufacturing plants
- Shore power cables

More sizes and styles online!

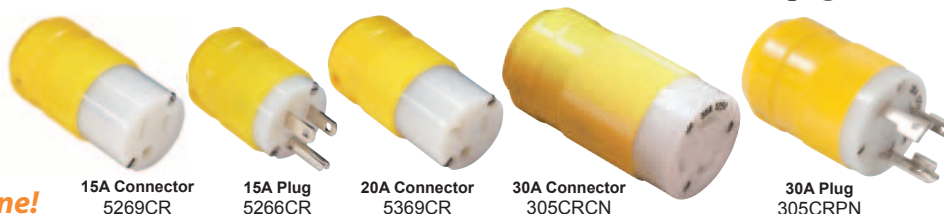### ConnectGlow Illuminated 3-Wire Plugs and Connectors   Clear Housing

Connector Part Number	Plug Part Number	AMPS	Poles/Wires	Volts	Blade Style	Nema Configuration	
5269L	5266L	15	2P / 3W	125	Straight	5-15R	5-15P
4729L	4720L	15	2P / 3W	125	Locking	L5-15R	L5-15P
205CL	205PL	20	2P / 3W	125	Locking	L5-20R	L5-20P

15A Connector 5269L | 15A Plug 5266L | 15A Connector 4729L | 15A Plug 4720L | 20A Connector 205CL | 20A Plug 205PL

Standard Non-Lighted 3-wire Plugs and Connectors   Black Housing

Connector Part Number	Plug Part Number	AMPS	Poles/Wires	Volts	Blade Style	Nema Configuration	
5269N	5266N	15	2P / 3W	125	Straight	5-15R	5-15P
5369N	5366N	20	2P / 3W	125	Straight	5-20R	5-20P
305C	305P	30	2P / 3W	125	Locking	L5-30R	L5-30P

15A Connector 5269N | 15A Plug 5266N | 20A Connector 5369N | 15A Plug 5366N | 30A Connector 305C | 30A Plug 305P

Corrosion Resistant 3-wire Plugs and Connectors   Yellow Housing

Connector Part Number	Plug Part Number	AMPS	Poles/Wires	Volts	Blade Style	Nema Configuration	
5269CRV	5266CR	15	2P / 3W	125	Straight	5-15R	5-15P
5369CRV	-	20	2P / 3W	125	Straight	5-20R	5-20P
305CRCN	305CRPN	30	2P / 3W	125	Locking	L5-30R	L5-30P

15A Connector 5269CR | 15A Plug 5266CR | 20A Connector 5369CR | 30A Connector 305CRCN | 30A Plug 305CRPN

Heavy Duty Compression Terminals

Made from high strength, highly conductive electrolytic copper, **Heavy Duty Code and Flex Compression Lugs and Splices** are extra tough, durable, reliable, and 100% conductive. They crimp in industry standard tooling for lowest applied cost.

Use in high voltage and heavy duty applications: generators, transformers, switch gear, motor controls, power distribution, welding equipment, telecommunications and utilities.

- Easy to read industry standard color code markings indicate size, proper die set, and crimp location
- Heavy duty seamless barrel will not open under stress or conductor pull conditions
- Made from highly conductive wrought copper tubing
- Electro tin plated and burnished to prevent corrosion
- Standard barrel lugs feature inspection hole for verifying strand placement
- Chamfered barrel for easy wire insertion
- Available in standard barrel for limited space applications and long barrel for greater pull out strength and increased conductivity
- UL Listed, CSA Certified and rated to 90°C

Fine strand flexible wire has a slightly larger conductor diameter than code stranded wire. When using **Code Lugs** with 2 AWG and larger *Arctic Ultraflex Blue*® and similar fine strand flexible wire, step up one lug size.

Flex Lugs, sized for the larger conductor diameter of fine strand flexible wire, are available on pages 100-101

☀ 90°C

Long Barrel Code Splice
Part Number
HDCL-250-CC

Standard Barrel
Code Splice
Part Number HDC-6-CC

Code Splice Connectors

Long Barrel Code Splices

Part Number	Die Code	Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDCL-8-CC	● Red	8	8
HDCL-6-CC	● Blue	6	6
HDCL-4-CC	● Gray	4	4
HDCL-2-CC	● Brown	-	2
HDCL-1-CC	● Green	2	1
HDCL-1/0-CC	● Pink	1	1/0
HDCL-2/0-CC	● Black	1/0	2/0
HDCL-3/0-CC	● Orange	2/0	3/0
HDCL-4/0-CC	● Purple	3/0	4/0
HDCL-250-CC	● Yellow	4/0	250 MCM
HDCL-300-CC	○ White	250 MCM	300 MCM
HDCL-350-CC	● Red	300 MCM	350 MCM
HDCL-400-CC	● Blue	350 MCM	400 MCM
HDCL-500-CC	● Brown	400 MCM	500 MCM
HDCL-600-CC	● Green	500 MCM	600 MCM
HDCL-750-CC	● Black	600 MCM	750 MCM
HDCL-900-CC	● Yellow	750 MCM	900 MCM
HDCL-1000-CC	○ White	900 MCM	1000 MCM

Standard Barrel Code Splices

Part Number	Die Code	Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDC-8-CC	● Red	8	8
HDC-6-CC	● Blue	6	6
HDC-4-CC	● Gray	4	4
HDC-2-CC	● Brown	-	2
HDC-1-CC	● Green	2	1
HDC-1/0-CC	● Pink	1	1/0
HDC-2/0-CC	● Black	1/0	2/0
HDC-3/0-CC	● Orange	2/0	3/0
HDC-4/0-CC	● Purple	3/0	4/0
HDC-250-CC	● Yellow	4/0	250 MCM
HDC-300-CC	○ White	250 MCM	300 MCM
HDC-350-CC	● Red	300 MCM	350 MCM
HDC-400-CC	● Blue	350 MCM	400 MCM
HDC-500-CC	● Brown	400 MCM	500 MCM
HDC-600-CC	● Green	500 MCM	600 MCM
HDC-700-CC	● Pink	600 MCM	700 MCM
HDC-750-CC	● Black	700 MCM	750 MCM
HDC-900-CC	● Yellow	750 MCM	900 MCM
HDC-1000-CC	○ White	900 MCM	1000 MCM

Single Hole Code Lugs

Rated 35KV Applications — Copper Conductors Only

Long Barrel Single Hole Code Lugs

Part Number	Stud Size	Die Code	Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDCL-810-CC	10	● Red	8	8
HDCL-814-CC	1/4	● Red	8	8
HDCL-610-CC	10	● Blue	6	6
HDCL-614-CC	1/4	● Blue	6	6
HDCL-638-CC	3/8	● Blue	6	6
HDCL-414-CC	1/4	● Gray	4	4
HDCL-4516-CC	5/16	● Gray	4	4
HDCL-214-CC	1/4	● Brown	-	2
HDCL-2516-CC	5/16	● Brown	-	2
HDCL-238-CC	3/8	● Brown	-	2
HDCL-114-CC	1/4	● Green	2	1
HDCL-1516-CC	5/16	● Green	2	1
HDCL-10516-CC	5/16	● Pink	1	1/0
HDCL-1038-CC	3/8	● Pink	1	1/0
HDCL-2038-CC	3/8	● Black	1/0	2/0
HDCL-2012-CC	1/2	● Black	1/0	2/0
HDCL-3038-CC	3/8	● Orange	2/0	3/0
HDCL-3012-CC	1/2	● Orange	2/0	3/0
HDCL-4038-CC	3/8	● Purple	3/0	4/0
HDCL-4012-CC	1/2	● Purple	3/0	4/0
HDCL-25012-CC	1/2	● Yellow	4/0	250 MCM
HDCL-30012-CC	1/2	○ White	250 MCM	300 MCM
HDCL-35012-CC	1/2	● Red	300 MCM	350 MCM
HDCL-40058-CC	5/8	● Blue	350 MCM	400 MCM
HDCL-50012-CC	1/2	● Brown	400 MCM	500 MCM
HDCL-50058-CC	5/8	● Brown	400 MCM	500 MCM
HDCL-60012-CC	1/2	● Green	500 MCM	600 MCM
HDCL-60058-CC	5/8	● Green	500 MCM	600 MCM
HDCL-75058-CC	5/8	● Black	700 MCM	750 MCM
HDCL-100058-CC	5/8	○ White	750 MCM	1000 MCM

Single Hole Long Barrel Code Lug
Part Number HDCL-4038-CC

Single Hole Standard Barrel Code Lug
Part Number HDC-3012-CC

90℃

Standard Barrel Single Hole Code Lugs — with window

Part Number	Stud Size	Die Code	Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDC-810-CC	10	● Red	8	8
HDC-814-CC	1/4	● Red	8	8
HDC-8516-CC	5/16	● Red	8	8
HDC-838-CC	3/8	● Red	8	8
HDC-610-CC	10	● Blue	6	6
HDC-614-CC	1/4	● Blue	6	6
HDC-6516-CC	5/16	● Blue	6	6
HDC-638-CC	3/8	● Blue	6	6
HDC-410-CC	10	● Gray	4	4
HDC-414-CC	1/4	● Gray	4	4
HDC-4516-CC	5/16	● Gray	4	4
HDC-438-CC	3/8	● Gray	4	4
HDC-214-CC	1/4	● Brown	-	2
HDC-2516-CC	5/16	● Brown	-	2
HDC-238-CC	3/8	● Brown	-	2
HDC-212-CC	1/2	● Brown	-	2
HDC-114-CC	1/4	● Green	2	1
HDC-1516-CC	5/16	● Green	2	1
HDC-138-CC	3/8	● Green	2	1
HDC-1014-CC	1/4	● Pink	1	1/0
HDC-10516-CC	5/16	● Pink	1	1/0
HDC-1038-CC	3/8	● Pink	1	1/0
HDC-1012-CC	1/2	● Pink	1	1/0
HDC-2014-CC	1/4	● Black	1/0	2/0
HDC-20516-CC	5/16	● Black	1/0	2/0
HDC-2038-CC	3/8	● Black	1/0	2/0
HDC-2012-CC	1/2	● Black	1/0	2/0
HDC-3014-CC	1/4	● Orange	2/0	3/0
HDC-30516-CC	5/16	● Orange	2/0	3/0
HDC-3038-CC	3/8	● Orange	2/0	3/0
HDC-3012-CC	1/2	● Orange	2/0	3/0
HDC-4014-CC	1/4	● Purple	3/0	4/0
HDC-40516-CC	5/16	● Purple	3/0	4/0
HDC-4038-CC	3/8	● Purple	3/0	4/0
HDC-4012-CC	1/2	● Purple	3/0	4/0
HDC-25014-CC	1/4	● Yellow	4/0	250 MCM
HDC-25038-CC	3/8	● Yellow	4/0	250 MCM
HDC-25012-CC	1/2	● Yellow	4/0	250 MCM
HDC-25058-CC	5/8	● Yellow	4/0	250 MCM
HDC-300516-CC	5/16	○ White	250 MCM	300 MCM
HDC-30038-CC	3/8	○ White	250 MCM	300 MCM
HDC-30012-CC	1/2	○ White	250 MCM	300 MCM
HDC-30058-CC	5/8	○ White	250 MCM	300 MCM
HDC-35038-CC	3/8	● Red	300 MCM	350 MCM
HDC-35012-CC	1/2	● Red	300 MCM	350 MCM
HDC-35058-CC	5/8	● Red	300 MCM	350 MCM
HDC-40038-CC	3/8	● Blue	350 MCM	400 MCM
HDC-40012-CC	1/2	● Blue	350 MCM	400 MCM
HDC-40058-CC	5/8	● Blue	350 MCM	400 MCM
HDC-50038-CC	3/8	● Brown	400 MCM	500 MCM
HDC-50012-CC	1/2	● Brown	400 MCM	500 MCM
HDC-50058-CC	5/8	● Brown	400 MCM	500 MCM
HDC-60012-CC	1/2	● Green	500 MCM	600 MCM
HDC-60058CC	5/8	● Green	500 MCM	600 MCM
HDC-70038-CC	5/8	● Pink	600 MCM	700 MCM
HDC-75058-CC	5/8	● Black	700 MCM	750 MCM
HDC-100058-CC	5/8	○ White	750 MCM	1000 MCM

Single Hole Flex Lugs

Rated 35KV Applications — Copper Conductors Only

Heavy Duty Single Hole and Double Hole Flex Compression Lugs are designed for use with both code stranded and flexible fine stranded copper conductor wire such as Class K *Arctic Ultraflex Blue.*® Flex Lugs can be used with class G, H, I, K, and M flexible conductors and Diesel Locomotive (DLO) wire.

Flex Lugs are sized for the larger conductor diameter of flexible wire. When using flex lugs with either flexible or code stranded conductors, match the lug to the wire size.

2 AWG Flex Lug

2 AWG Code Lug

Long Barrel Single Hole Flex Lugs
with window

Part Number	Stud Size	Die Code		Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDCLF-814-CC	1/4	●	Red	8	8
HDCLF-614-CC	1/4	●	Blue	6	6
HDCLF-638-CC	3/8	●	Blue	6	6
HDCLF-414-CC	1/4	●	Gray	4	4
HDCLF-438-CC	3/8	●	Gray	4	4
HDCLF-214-CC	1/4	●	Brown	2	2
HDCLF-238-CC	3/8	●	Brown	2	2
HDCLF-212-CC	1/2	●	Brown	2	2
HDCLF-2038-CC	3/8	●	Black	2/0	2/0
HDCLF-2012-CC	1/2	●	Black	2/0	2/0
HDCLF-4038-CC	3/8	●	Purple	4/0	4/0
HDCLF-4012-CC	1/2	●	Purple	4/0	4/0
HDCLF-50038-CC	3/8	●	Pink	500 MCM/535.3 DLO	500 MCM

Single Hole
Long Barrel Flex Lug
Part Number
HDCLF-50038-CC

☀ 90℃

Standard Barrel Single Hole Flex Lugs
with window

Part Number	Stud Size	Die Code		Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDCF-810-CC	10	●	Red	8	8
HDCF-814-CC	1/4	●	Red	8	8
HDCF-838-CC	3/8	●	Red	8	8
HDCF-610-CC	10	●	Blue	6	6
HDCF-614-CC	1/4	●	Blue	6	6
HDCF-6516-CC	5/16	●	Blue	6	6
HDCF-638-CC	3/8	●	Blue	6	6
HDCF-410-CC	10	●	Gray	4	4
HDCF-414-CC	1/4	●	Gray	4	4
HDCF-4516-CC	5/16	●	Gray	4	4
HDCF-438-CC	3/8	●	Gray	4	4
HDCF-214-CC	1/4	●	Brown	2	2
HDCF-2516-CC	5/16	●	Brown	2	2
HDCF-238-CC	3/8	●	Brown	2	2
HDCF-212-CC	1/2	●	Brown	2	2
HDCF-114-CC	1/4	●	Green	1	1
HDCF-1516-CC	5/16	●	Green	1	1
HDCF-138-CC	3/8	●	Green	1	1
HDCF-1014-CC	1/4	●	Pink	1/0	1/0
HDCF-10516-CC	5/16	●	Pink	1/0	1/0
HDCF-1038-CC	3/8	●	Pink	1/0	1/0
HDCF-1012-CC	1/2	●	Pink	1/0	1/0
HDCF-2014-CC	1/4	●	Black	2/0	2/0
HDCF-20516-CC	5/16	●	Black	2/0	2/0
HDCF-2038-CC	3/8	●	Black	2/0	2/0
HDCF-2012-CC	1/2	●	Black	2/0	2/0
HDCF-3014-CC	1/4	●	Orange	3/0	3/0
HDCF-30516-CC	5/16	●	Orange	3/0	3/0
HDCF-3038-CC	3/8	●	Orange	3/0	3/0
HDCF-3012-CC	1/2	●	Orange	3/0	3/0
HDCF-4014-CC	1/4	●	Purple	4/0	4/0
HDCF-40516-CC	5/16	●	Purple	4/0	4/0
HDCF-4038-CC	3/8	●	Purple	4/0	4/0
HDCF-4012-CC	1/2	●	Purple	4/0	4/0
HDCF-25014-CC	1/4	●	Yellow	250 MCM/262.6 DLO	250 MCM
HDCF-25038-CC	3/8	●	Yellow	250 MCM/262.6 DLO	250 MCM
HDCF-25012-CC	1/2	●	Yellow	250 MCM/262.6 DLO	250 MCM
HDCF-30038-CC	3/8	○	White	300 MCM/313.1 DLO	300 MCM
HDCF-30012-CC	1/2	○	White	300 MCM/313.1 DLO	300 MCM
HDCF-30058-CC	5/8	○	White	300 MCM/313.1 DLO	300 MCM
HDCF-35038-CC	3/8	●	Red	350 MCM/373.7 DLO	350 MCM
HDCF-35012-CC	1/2	●	Red	350 MCM/373.7 DLO	350 MCM
HDCF-35058-CC	5/8	●	Red	350 MCM/373.7 DLO	350 MCM
HDCF-500516-CC	5/16	●	Brown	500 MCM/535.3 DLO	500 MCM
HDCF-50038-CC	3/8	●	Brown	500 MCM/535.3 DLO	500 MCM
HDCF-50012-CC	1/2	●	Brown	500 MCM/535.3 DLO	500 MCM
HDCF-50058-CC	5/8	●	Brown	500 MCM/535.3 DLO	500 MCM

Single Hole
Standard Barrel
Flex Lug
Part Number
HDCF-4516-CC

Rated 35KV Applications — Copper Conductors Only

Two Hole Flex Lugs

• Two-hole tongue style increases contact area and prevents connector rotation

Long Barrel Two Hole Flex Lugs
with window

Part Number	Stud Size	Hole Center (Inches)	Die Code	Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDCLF-8102-CC	10	5/8	● Red	8	8
HDCLF-8142-CC	1/4	5/8	● Red	8	8
HDCLF-8142-TC	1/4	3/4	● Red	8	8
HDCLF-8382-TC	3/8	1	● Red	8	8
HDCLF-6102-CC	10	5/8	● Blue	6	6
HDCLF-6142-TC	1/4	5/8	● Blue	6	6
HDCLF-6142-CC	1/4	3/4	● Blue	6	6
HDCLF-6142-TC2	1/4	1	● Blue	6	6
HDCLF-6382-TC	3/8	1	● Blue	6	6
HDCLF-4142-TC	1/4	5/8	● Gray	4	4
HDCLF-4142-CC	1/4	3/4	● Gray	4	4
HDCLF-4382-CC	3/8	1	● Gray	4	4
HDCLF-2142-TC	1/4	5/8	● Brown	2	2
HDCLF-2142-CC	1/4	3/4	● Brown	2	2
HDCLF-2382-TC	3/8	1	● Brown	2	2
HDCLF-1142-CC	1/4	5/8	● Green	1	1
HDCLF-1142-TC	1/4	3/4	● Green	1	1
HDCLF-1382-CC	3/8	1	● Green	1	1
HDCLF-10142-CC	1/4	5/8	● Pink	1/0	1/0
HDCLF-10382-TC	3/8	1	● Pink	1/0	1/0
HDCLF-20142-CC	1/4	5/8	● Black	2/0	2/0
HDCLF-20142-TC	1/4	3/4	● Black	2/0	2/0
HDCLF-20382-TC	3/8	1	● Black	2/0	2/0
HDCLF-20122-TC	1/2	1-3/4	● Black	2/0	2/0
HDCLF-30382-TC	3/8	1	● Orange	2/0	3/0
HDCLF-40142-TC	1/4	3/4	● Purple	4/0	4/0
HDCLF-40382-CC	3/8	1	● Purple	4/0	4/0
HDCLF-40122-TC	1/2	1-3/4	● Purple	4/0	4/0
HDCLF-250382-TC	3/8	1	● Yellow	250 MCM/262.6 DLO	250 MCM
HDCLF-250122-TC	1/2	1-3/4	● Yellow	250 MCM/262.6 DLO	250 MCM
HDCLF-300382-TC	3/8	1	● Red	300 MCM/313.1 DLO	300 MCM
HDCLF-500382-TC	3/8	1	● Pink	500 MCM/535.3 DLO	500 MCM

Two Hole
Long Barrel
Flex Lug
Part Number
HDCLF-40382-CC

(UL) (CSA)

☀ 90℃

Two Hole
Standard Barrel
Flex Lug
Part Number
HDCF-2142-CC

Standard Barrel Two Hole Flex Lugs
with window

Part Number	Stud Size	Hole Center (Inches)	Die Code	Arctic Ultraflex Wire AWG	Code Stranded Wire AWG
HDCF-8102-CC	10	5/8	● Red	8	8
HDCF-8142-CC	1/4	5/8	● Red	8	8
HDCF-8142-TC	1/4	3/4	● Red	8	8
HDCF-8142-TC2	1/4	1	● Red	8	8
HDCF-6142-CC	1/4	5/8	● Blue	6	6
HDCF-6142-TC	1/4	3/4	● Blue	6	6
HDCF-65162-CC	5/16	1	● Blue	6	6
HDCF-6382-CC	3/8	1	● Blue	6	6
HDCF-4142-CC	1/4	5/8	● Gray	4	4
HDCF-4142-TC	1/4	3/4	● Gray	4	4
HDCF-4142-TC2	1/4	1	● Gray	4	4
HDCF-2142-TC2	1/4	1	● Brown	2	2
HDCF-1142-TC	1/4	1	● Green	1	1
HDCF-40382-TC	3/8	1	● Purple	3/0	3/0
HDCF-250382-CC	3/8	1	● Yellow	4/0	4/0
HDCF-350382-CC	3/8	1	● Red	300 MCM	300 MCM

Call for additional configurations and non-standard stud sizes

Minimums may apply,
lead times may vary

Heat-Seal Terminals and Splices

22 – 8 AWG

22 – 18 AWG

Part Number	Stud Size		Part Number	Stud Size
SA-221-06	6		SA-226-38	3/8
SA-221-08	8		SA-235-06	6
SA-221-10	10		SA-235-08	8
SA-222-14	1/4		SA-235-10	10

16 – 14 AWG

Part Number	Stud Size		Part Number	Stud Size
SB-237-06	6		SB-218-38	3/8
SB-237-08	8		SB-227-06	6
SB-239-10	10		SB-227-08	8
SB-225-14	1/4		SB-227-10	10
SB-225-56	5/16		SB-219-10	10

12 – 10 AWG

Part Number	Stud Size		Part Number	Stud Size
SC-228-06	6		SC-240-38	3/8
SC-228-08	8		SC-201-12	1/2
SC-228-10	10		SC-241-06	6
SC-230-14	1/4		SC-241-08	8
SC-230-56	5/16		SC-241-10	10

Splices

Part Number	Wire Range
SAA-22-18	22 – 18
SBB-16-14	16 – 14
SC-12-10	12 – 10

Quick Disconnects

Part Number	Wire Range
SAA-2140	22 – 18
SBB-2141	16 – 14
SC-2143	12 – 10

Male Fully Insulated

Part Number	Wire Range
SAA-9260	22 – 18
SBB-9262	16 – 14
SC-9280	12 – 10

Female Fully Insulated

Part Number	Wire Range
SAA-9261	22 – 18
SBB-9263	16 – 14
SC-9281	12 – 10

Step Down Butts

Part Number	Step Size
SBA-631	16 – 14 to 22 – 18
SCB-646	12 – 10 to 16 – 14

Snap Plugs

Part Number	Stud Size	Wire Range
SA-259	.176	22 – 18
SA-269	.157	22 – 18
SB-279	.176	16 – 14
SB-289	.157	16 – 14

Snap Plug Receptacles

Part Number	Stud Size	Wire Range
SBRA-8156N	.157	22 – 18
SBRA-8180N	.176	22 – 18
SBRB-8156N	.157	16 – 14
SBRB-8180N	.176	16 – 14

22-10 AWG terminals and splices sold in packages of 100

10 piece bubble packs also available. To order, append -10 to the part number. Example: SA-259-10

Call for bulk quantities

Perma-Seal ® NiAc Heat-Seal Terminals and Splices

Perma-Seal NiAc Terminals and Splices provide a rugged, environmentally-sealed connection for wire sizes 8 to 22 AWG.

Insulates, seals, and protects electrical connections from abuse, abrasion, water, salt, and corrosive compounds.

-55°C TO 125°C

8 AWG

Part Number	Stud Size
SD-810-5	10
SD-814-5	1/4
SD-8516-5	5/16
SD-838-5	3/8

8 AWG Splice

Part Number SD-8-5

8 AWG terminals and splices sold in packages of 5

Packages of 100 available

Parts shown approximately actual size

Features

- Heat shrinkable at low temperature
- Shrinks 40% faster than nylon or polyolefin tubing
- Long-lasting, moisture-proof connections
- Withstands water, salt, corrosion, condensation, and heat
- Heat stable. Splices remain supple and impact resistant
- Tough and durable. Resists vibration cuts and abrasions
- Smaller and lighter than most comparable wire splices
- Provides a reliable, impermeable seal on 1:1, 2:1, or 2:2 splices
- Easy to install using standard tools

Product Characteristics

Properly installed, Perma-Seal splices and terminals exceed all pertinent UL, CSA, and MIL Specification requirements. Typical properties of the installed splice and for the NiAc insulation alone are shown below.

Typical Properties of Installed Connectors

Temperature rating	-55°C to 125°C
Dielectric strength	7.5kv
Voltage drop	Less than equal length of wire
Insulation resistance	106 Megohms
Shrink temperature	90°C
Tensile (pull test) value	Greater than Mil-T-7928 and UL No. 486

Typical Properties of NiAc Tubing

Tensile strength	6000 psi minimum
Ultimate elongation	175%
Longitudinal change	+0-10%
Specific gravity	1.1 maximum
Heat shock (4 hours at 225°C)	No dripping, flowing, or cracking

After Heat Aging 168 Hours at 150°C

Tensile strength	70% of original
Ultimate elongation	100% minimum
Dielectric strength	500volts/mil minimum
Low temperature flexibility (4 hours at -40°C)	No cracking

Hot melt adhesive liner for reliable, impermeable moisture barrier.

Funnel entry opening makes wire insertion quick and easy.

Color-coded tubing for easy selection of the correct part size.

High-strength seamless barrel will not open under stress or wire pull and can be crimped from any side.

Transparent sleeve for visual confirmation of proper wire insertion and crimp locations.

Tough, abrasion resistant, heat-shrink NiAc sleeve withstands the most rugged environments and demanding applications.

Applications

- Automotive
- Transportation
- Commercial vehicles
- Marine equipment
- Fountains, pools, spas
- Aerospace
- Defense
- Industrial
- Construction
- Renewable energy

Perma-Seal Service Kits available — See page 87

Perma-Seal ® Heat Seal Butt Connectors

Perma-Seal Butt Splices insulate, seal, and protect.

- Shrinks fast
- Long-lasting, moisture-proof connections

Standard

Part Number	AWG	Color
SAA-22-18	22 – 18	Red
SBB-16-14	6 – 14	Blue
SC-12-10	12 – 10	Yellow

Stepdown

Part Number	AWG	Color
SBA-631	16 – 14 to 22 – 18	Blue
SCB-646	12 – 10 to 16 – 14	Yellow

Nylon Insulated Butt Connectors

Standard

Part Number	AWG	Color
NB-18	22 – 18	Red
NB-18-4	22 – 18	Red
NB-14	16 – 14	Blue
NB-14-4	16 – 14	Blue
NB-10	12 – 10	Yellow
NB-10-4	12 – 10	Yellow

Window

Part Number	AWG	Color
NBW-18	22 – 18	Red
NBW-14	16 – 14	Blue
NBW-10	12 – 10	Yellow

Crimp and Solder Heat Seal Butts

The **Multilink™ Heat Shrink Connector** is pre-loaded with a low temperature solder alloy ring that delivers a precise amount of flux and solder to the connection during the heat-shrink process. Each repair made with a heat shrink connector is individually protected from corrosion, contaminants, and current leakage.

Crimp Connector
- Seamless connector with inspection window
- Indicators for crimp and window location
- Wire-stop prevents over insertion

Solder Ring
- Flux coating to clean metal surfaces
- Pre-measured low-temp solder alloy

Heat Shrink Tubing
- Translucent adhesive-lined polyolefin
- Color-coded with wire gauge imprint

Connector   Solder   Tubing

Standard

Part Number	AWG	Color
HS-CS-22	24 – 22	Clear
HS-CS-18	20 – 18	Red
HS-CS-14	16 – 14	Blue
HS-CS-10	12 – 10	Yellow

Stepdown

Part Number	AWG	Color
HS-SS-20	24 – 18	Red
HS-SS-16	20 – 14	Blue
HS-SS-14	16 – 10	Yellow
HS-SS-10	12 – 8	Red

Connectors sold in packages of 100. Heat seal connectors also available in 10 piece bubble packs. Nylon connectors also available in 25 piece bubble packs.

Heat Seal Closed End Connectors

HS-NC-14 Connector Capacity

A dot at an intersection indicates that the connector will accept the indicated wire size, type, and quantity combination

	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2	1 2
22 STR 1 2 3							
22 SOL 1 2 3							
20 STR 1 2 3							
20 SOL 1 2 3							
18 STR 1 2							
18 SOL 1 2							
16 STR 1 2							
16 SOL 1 2							
14 STR 1 2							
	22 STR	22 SOL	20 STR	20 SOL	18 STR	18 SOL	16 STR

HS-NC-10 Connector Capacity

Example: One 12 gauge stranded wire can be connected to three 18 gauge stranded wires using an HS-NC-10 connector

	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2	1 2
18 STR 1 2 3							
18 SOL 1 2 3							
16 STR 1 2 3							
16 SOL 1 2 3							
14 STR 1 2							
14 SOL 1 2							
12 STR 1 2							
12 SOL 1 2							
10 SOL 1 2							
	18 STR	18 SOL	16 STR	16 SOL	14 STR	14 SOL	12 STR

The **HydraLink™ Heat-Shrink Closed End Connector** has an active adhesive that seals up to four wires and eliminates pull out. Closed end connectors can replace spring connectors in environments where corrosion is problematic. Excellent wire nut replacement.

Sealed Closed End

Part Number	Connector Wire Range	Dash Color
HS-NC-14	22 – 14 AWG	Blue
HS-NC-10	18 – 10 AWG	Yellow

HS-NC-14

HS-NC-10

Heat Seal In-Line Butt Connectors

HS-2X22

HS-2X18

HS-2X14

HS-2X10

The **HydraLink™ In-Line Butt Connector** splices multiple wires, and shrinks and seals for superior durability and protection.

Color dashes indicate wire gauge.

Sealed In-Line

Part Number	AWG	Dash Color	SMALL END			LARGE END		
			Stripe	Accepts	Use Insulated Crimp Die	Stripe	Accepts	Use Insulated Crimp Die
HS-2X22	24 – 22	White	White	One 24 – 22 AWG	White (24 – 22 AWG)	Red	Two 24 – 22 AWG	Red (20 – 18 AWG)
HS-2X18	20 – 18	Red	Red	One 20 – 18 AWG	Red (20 – 18 AWG)	Blue	Two 20 – 18 AWG	Blue (16 – 14 AWG)
HS-2X14	16 – 14	Blue	Blue	One 16 – 14 AWG	Blue (16 – 14 AWG)	Yellow	Two 16 – 14 AWG	Yellow (12 – 10 AWG)
HS-2X10	12 – 10	Yellow	Yellow	One 12 – 10 AWG	Yellow (12 – 10 AWG)	Red	Two 12 – 10 AWG	Red (8 AWG)

Parts shown approximately actual size

Nylon Insulated Rings and Snap Spades

Made from pure electrolytic copper, **Nylon Insulated Terminals** are typically thicker and stronger than competitive heavy-duty terminals. Open end design for fast inspection. Annealed and tin plated for best conductivity and protection from corrosion.

Sturdy gussets reinforce tongue, deep V-notches improve wire grip

Beveled chamfer eases wire entry, eliminates strand turnback

Plated brass support sleeve extends beyond the inner barrel for extra strength and strain relief

Molded nylon sleeve extends beyond the metal support sleeve to ensure complete insulation between wire and terminal
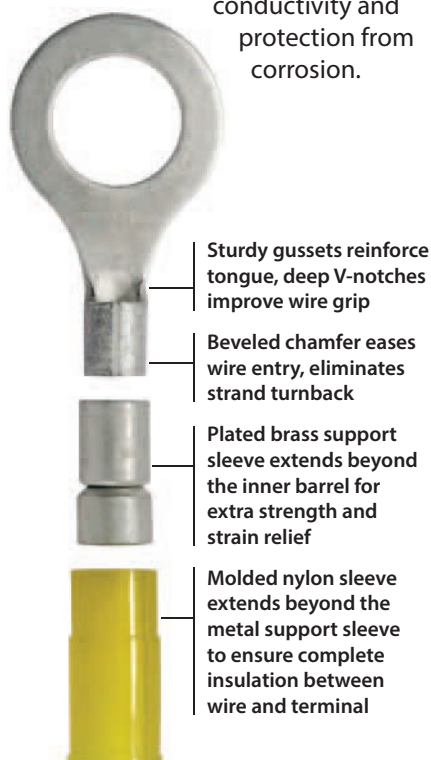
Standards

- Exceeds MIL-T-7928 corrosion standards (Method 101 of MIL-STD-202 for 100 hours)
- Withstands and exceeds required millivolt-drop readings after vibration testing per MIL-T-7928
- Exceeds tensile performance specifications compared to UL and Military standards and maximum wire strength data (ASTM designation B-58)

Parts shown approximately actual size

22 – 18 AWG

Part Number	Stud Size
NR-18-4	2 – 4
NR-18-6	4 – 6
NR-18-8	6 – 8
NR-18-10	8 – 10
NR-18-14	1/4
NR-18-56	5/16
NR-18-38	3/8
NSS-18-6	4 – 6
NSS-18-8	6 – 8
NSS-18-10	8 – 10

16 – 14 AWG

Part Number	Stud Size
NR-14-4	2 – 4
NR-14-6	4 – 6
NR-14-8	6 – 8
NR-14-10	8 – 10
NR-14-14	1/4
NR-14-38	3/8
NSS-14-6	4 – 6
NSS-14-8	6 – 8
NSS-14-10	8 – 10

12 – 10 AWG

Part Number	Stud Size
NR-10-6	4 – 6
NR-10-6-2	4 – 6
NR-10-8	6 – 8
NR-10-8-2	6 – 8
NR-10-10	8 – 10
NR-10-14	1/4
NR-10-56-2	5/16
NR-10-38	3/8
NSS-10-6	4 – 6
NSS-10-8	6 – 8
NSS-10-10	8 – 10

Sold in packages of 100

25 piece bubble packs and bulk quantities also available

Nylon Insulated Terminal Service Kits available on page 86
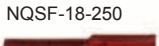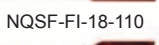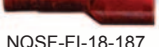
Nylon Insulated Butt Connectors shown on page 104
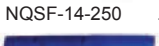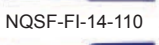
Nylon Insulated Quick Disconnects, Flags, Snap Plugs

Female 22 – 18 AWG

Part Number	Tab Size
NQSF-18-110	.110 x .020
NQSF-18-187	.187 x .020
NQSF-18-250	.250 x .032
NQSF-FI-18-110	.110 x .020
NQSF-FI-18-187	.187 x .020
NQSF-FI-18-250	.250 x .032

Female 16 – 14 AWG

Part Number	Tab Size
NQSF-14-110	.110 x .020
NQSF-14-187	.187 x .020
NQSF-14-250	.250 x .032
NQSF-FI-14-110	.110 x .020
NQSF-FI-14-187	.187 x .020
NQSF-FI-14-250	.250 x .032

Our complete line of Male, Female, and Piggy-Back **Quick Disconnects, Flag Disconnects,** and **Snap Plugs** are fully insulated and precision engineered. The female terminal precisely fits into the corresponding male housing, resulting in a fully insulated in-line splice that may be connected and disconnected without damage.

Female 12 – 10 AWG

Part Number	Tab Size
NQSF-10-250	.250 x .032
NQSF-10-375	.375 x .032
NQSF-FI-10-250	.250 x .032
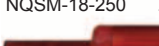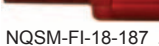
Male 12 – 10 AWG

Part Number	Tab Size
NQSM-10-250	.250 x .032

Piggyback 12 – 10 AWG

Part Number	Tab Size
NST-FI-10-250	.250 x .032
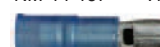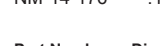
Male 22 – 18 AWG

Part Number	Tab Size
NQSM-18-187	.187 x .020
NQSM-18-250	.250 x .032
NQSM-FI-18-187	.187 x .020
NQSM-FI-18-250	.250 x .032
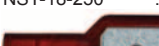
Male 16 – 14 AWG

Part Number	Tab Size
NQSM-14-187	.187 x .020
NQSM-14-250	.250 x .032
NQSM-FI-14-187	.187 x .020
NQSM-FI-14-250	.250 x .032
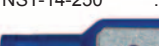
Snap Plugs and Receptacles

Part Number	Diameter	Wire Range	Part Number	Diameter	Wire Range
NM-18-157	.157	22 – 18	NM-14-157	.157	16 – 14
NM-18-176	.176	22 – 18	NM-14-176	.176	16 – 14
NF-18-157	.157	22 – 18	NF-14-157	.157	16 – 14
NF-18-176	.176	22 – 18	NF-14-176	.176	16 – 14

Piggyback 22 – 18 AWG

Part Number	Tab Size
NST-18-250	.250 x .032
NST-FI-18-250	.250 x .032

Piggyback 16 – 14 AWG

Part Number	Tab Size
NST-14-250	.250 x .032
NST-FI-14-250	.250 x .032

Flag Disconnects

Part Number	FLAG-18-N	FLAG-14-N	FLAG-10-N
Tab Size	.250 x .032	.250 x .032	.250 x .032
Wire Range	22 – 18	16 – 14	12 – 10

Tin Plated Copper Ferrules

Ferrules stabilize stripped conductor ends, allowing wires to be repeatedly connected and disconnected without damage to the individual stranding. Insulated ferrules are color coded for wire and size identification.

We build cables!

We make top quality ferrule-terminated cables to your specs. Call us to order!

Ferrule Crimp Tools

Part Number
300-149

Part Number
CT-1003

Insulated Wire Ferrules

Sold in bags of 100

Part Number	AWG	mm2	Color	d1	d2	L1	L2
FER-20INS	20	0.75	white	1.2	2.8	14	8
FER-18INS	18	1.0	red	1.4	3.0	14	8
FER-16INS	16	1.5	black	1.7	3.5	14	8
FER-14INS	14	2.5	blue	2.2	4.2	15	8
FER-12INS	12	4.0	gray	2.8	4.8	18	10
FER-10INS	10	6.0	yellow	3.5	6.3	20	12
FER-8INS	8	10.0	red	4.5	7.6	22	12
FER-6INS	6	16.0	blue	5.8	8.8	22	12
FER-2INS	2	35.0	beige	8.3	12.4	30	16

FER-INS10
Uncrimped

FER-INS10
Crimped
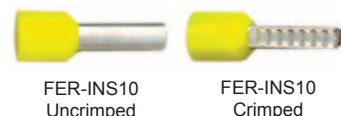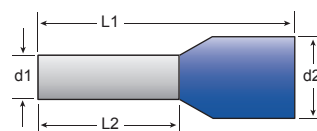
Uninsulated Wire Ferrules

Sold individually

Part Number	AWG	mm2	d1	d2	L1
FER-8	8	10.0	4.5	5.8	12
FER-6	6	16.0	5.8	7.5	12
FER-4	4	25.0	7.3	9.5	15
FER-2	2	35.0	8.3	11.0	18
FER-1/0	1/0	50.0	10.3	13.0	32
FER-2/0	2/0	70.0	12.5	15.0	32
FER-3/0	3/0	95.0	14.5	17.0	32
FER-4/0	4/0	120.0	17.2	19.0	32
FER-250	250 MCM	150.0	19.5	21.0	32
FER-500	500 MCM	240.0	23.0	25.0	40

FER-1/0
Uncrimped

FER-1/0
Crimped
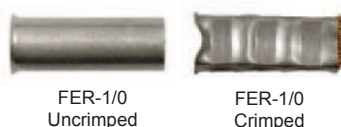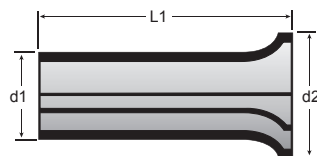
Twin Wire Ferrules

Sold in bags of 100

Part Number	AWG	mm2	Color	d1	A/B	L1	L2
FER-22TWIN	2x22	0.5	white	1.4	5.0/3.0	15	8
FER-20TWIN	2x20	0.75	gray	1.7	5.5/3.0	15	8
FER-18TWIN	2x18	1.0	red	2.0	5.8/3.2	15	8
FER-16TWIN	2x16	1.5	black	2.2	6.5-3.6	16	8
FER-14TWIN	2x14	2.5	blue	2.8	8.0/4.5	19	10
FER-12TWIN	2x12	4.0	gray	3.5	9.0/5.2	22	12
FER-10TWIN	2x10	6.0	yellow	4.5	11.4/6.2	23	12
FER-6TWIN	2x6	16.0	blue	8.3	17.2/9.5	29	16
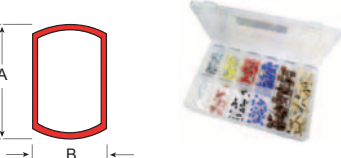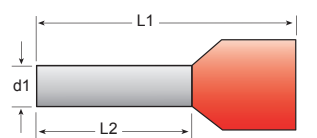
Call for more ferrule sizes and styles

Ferrules Service Kit available — page 88

Weather Pack Locking Connectors

	Shroud Half (accepts male terminals)	Tower Half (accepts female terminals)
One Contact	WP1M	WP1F
Two Contacts	WP2M	WP2F
Three Contacts	WP3M	WP3F
Four Contacts	WP4M	WP4F
Six Contacts	WP6M	WP6F
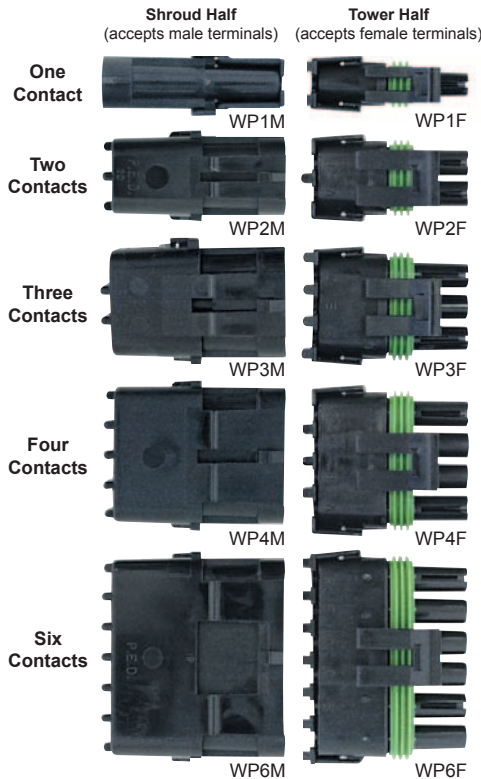
Weather Pack Locking Connectors seal out moisture and dirt. These one- to six-contact nylon connectors are rated -40°F to 257°F, up to 16 volts DC and 20 amps. Hinge lock assembly. Self-lubricating silicone body seal reduces engagement force. Silicone cable seals must be used with the tin plated brass terminals. The cavity plug fills unused pin locations. Terminals and seals sold in quantities of 100.

Cable Seals and Plugs

Part Number	AWG
WP2224S	22-24
WP2018S	20-18
WP1614S	16-14
WP12S	12
WP-PLUG	Part Number

Male Terminals

Use with Shroud Half

Part Number	AWG
WP2224M	22-24
WP2018M	20-18
WP1614M	16-14
WP12M	12

Female Terminals

Use with Tower Half

Part Number	AWG
WP2224F	22-24
WP2018F	20-18
WP1614F	16-14
WP12F	12

Weather Pack Service Kit available — page 88

-40°F TO 257°F

Wired Weather Pack Pigtails

Save labor, time and tool costs with *Arctic Ultraflex Blue*® wired **Weather Pack Pigtails.** Quality Weather Pack connectors are securely crimped and sealed in ready-to-use male-to-female configurations of one to six contacts. 18, 16, 14, and 12 wire gauge. 12" overall length.

Custom lengths available

One Contact		Two Contacts		Three Contacts		Four Contacts		Six Contacts	
Part Number	AWG	Part Number	AWG	Part Number	AWG	Part Number	AWG	Part Number	AWG
WP18-1	18	WP18-2	18	WP18-3	18	WP18-4	18	WP18-6	18
WP16-1	16	WP16-2	16	WP16-3	16	WP16-4	16	WP16-6	16
WP14-1	14	WP14-2	14	WP14-3	14	WP14-4	14	WP14-6	14
WP12-1	12	WP12-2	12	WP12-3	12	WP12-4	12	WP12-6	12

Weather Pack Tools

Crimp Tool crimps and seals 20 to 14 gauge terminals in one operation. Ratchet assembly assures a perfect crimp. **Part Number** WP402

Economy Crimp Tool crimps 20 to 12 gauges in two steps, one for terminal and one for seal. **Part Number** WP-CRIMP

Pin Extraction Tool removes male or female terminals. **Part Number** WP-EXTRACT
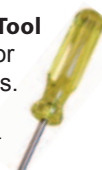
Aluminum Lugs

One and two conductor dual rated **Aluminum Mechanical Lugs** are suitable for use with either copper or aluminum conductors.

• Multiple configurations for wire size 6 AWG up to 1000 MCM
• Manufactured from high strength 6061-T6 aluminum alloy
• Electroplated with tin for low contact resistance
• Chamfered wire entry eases installation
• Meets UL 486B 90°C requirements
• CSA Certified

90°C

Part Number
AU-1000-2N

Part Number
TA-350-2N

Part Number
AU-0

Aluminum Panelboard Lugs

Aluminum Panelboard Lugs are manufactured from high strength 6061-T6 aluminum alloy. May be used with either copper or aluminum conductors.

• Electroplated with tin for low contact resistance
• Chamfered wire entry for easier installation
• UL Listed and CSA Certified for 600 Volts, 90°C
• Stacked design saves space and speeds installation
• Configurations for 6 AWG up to 750 MCM wire

90°C

Part Number
PB2-300 (D-1601)

Part Number
PB4-600 (D-1281)

Aluminum Splicers/Reducers

Aluminum Splicers Reducers are manufactured from high strength 6061-T6 aluminum alloy and tinned for low contact resistance. Suitable for use with either copper or aluminum conductors.

• Large screw diameters ensure all wire strands are held securely
• Wire stop in center prevents dissimilar metals coming into contact
• Chamfered wire entry provides ease of installation
• Rounded bottoms facilitate taping
• UL Listed and CSA Certified for 600 Volts, 90°C
• Sizes for 6 AWG up to 750 kcmil wire

90°C

Part Number
SPA-350

ClearTap® Multi-Tap Connectors

ClearTap® Multi-Tap Connectors feature a flexible, fully insulating transparent cover that allows visual inspection. Self-closing openings means no lost or loose caps and plugs. Dual rated for copper and aluminum conductors.

• Staggered incoming and outgoing conductors
• Captive pressure screws
• Access from both sides of connector
• Cold temperature rated to -45°C
• UL File E6207, UL 486A/B Listed, CSA Certified for 600 Volts
• 2- to 8-port configurations for 6 AWG up to 800 MCM wire

-45°C

Part Number
PCT-6-4/0

Snapbloc® Modular Power Distribution Blocks

Snapbloc® Power Distribution Blocks modular design simplifies stocking. Combine any number of blocks with multiple conductor ranges into the specific configuration needed.

- Multiple conductor capability: Individual blocks supplied in a variety of configurations with one or two main cable ports and 4, 6, or 12 taps. All are range taking.
- Easy to assemble— individual blocks lock together quickly without special tools
- Suitable for use with both copper and aluminum conductors in any combination
- Electro-tin plated 6061-T6 aluminum alloy, impact-resistant Lexan® insulating base
- Clear cover permits visual inspection
- UL Recognized, CSA Certified, rated for 90°C and 600 volts
- Housing dimensions with cover: 3"w x 5 1/2"d x 3 15/16"h

Part Number
LDB-24-500

90°C
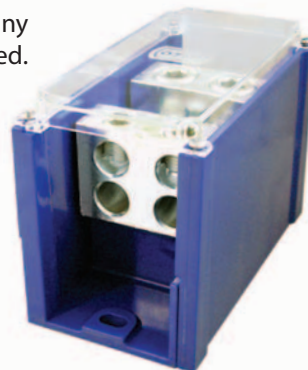
Snapbloc® Individual Modular Blocks

Snapbloc® Individual Modular Blocks are easy to combine and assemble—a unique locking feature allows blocks to be combined quickly without special tools.

- Modular design simplifies stocking. Combine any number of blocks with multiple conductor ranges into the specific configuration for the job.
- Electroplated with tin for low contact resistance
- Lexan® insulating base provides a high degree of impact resistance with superior insulating qualities
- PDA's are added to PDC to obtain a Multi Pole Block
- Suitable for use with copper or aluminum conductors
- Made from high strength 6061-T6 aluminum alloy
- UL Assigned Short Circuit Current Rating (SCCR)10,000 amps
- UL Recognized, CSA Certified, rated for 90°C and 600 volts

Part Number
PDC-14-20-1

Part Number
PDC-11-20-1

90°C

Snapbloc® Modular Blocks

Range taking **Snapbloc® Modular Blocks** reduce inventory and provide flexibility—use as a connector, inline splice, or to reduce conductor size.

- High strength 6061-T6 aluminum alloy
- Valox® insulating base
- Electroplated with tin for low contact resistance
- UL Assigned Short Circuit Current Rating (SCCR)10,000 Amps
- Dual Rated for Copper and Aluminum Conductor
- UL Recognized, CSA Certified, rated for 90°C and 600 volts

90°C

Part Number
PDB-22-2/0-1

Part Number
PDB-16-2/0-2

Part Number
PDB-14-500-3

ILSCO®

Battery Switches

Manual Battery Switches

- Tin-plated copper studs for maximum conductivity and corrosion resistance
- Accepts up to 4/0 AWG cables
- Blue Sea Systems one-piece terminal stud design never loosens over time
- Studs accept 3/8" ring terminals
- 7/8" (22mm) stud length accepts multiple cable terminals
- Switches fit most Perko and Guest low amperage battery switch hole patterns
- Tactile indicator conveys knob position by feel
- Waterproof – rated IP66 from water projected in powerful jets
- Alternator Field Disconnect (AFD) available in some models

Part Number 5511E

Part Number 6006

E Series

- 350 amps continuous rating for inboard gasoline or diesel engines
- Surface, rear, or front panel mounting options

M Series (Mini)

- 300 amps continuous for outboards and small gasoline or diesel engines
- Isolating cover with snap-in side pieces protects rear contacts and allows wire access in any direction

Panel Switches

Contura Switches

- Vibration, shock, thermoshock, moisture and salt spray resistant
- Mounts in Blue Sea Systems Contura Water Resistant Panels and Contura Switch Mounting Panels
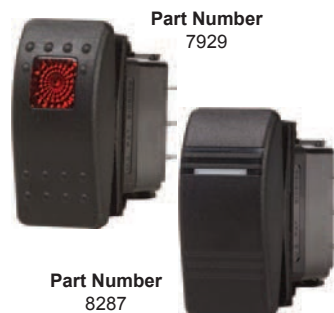
Part Number 7929

Part Number 8287

BLUE SEA SYSTEMS

Bus Bars and Connectors

150A BusBar
10 Gang
Part Number 2301

Cover for 2301
Part Number 2715
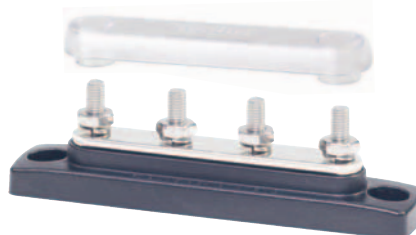
100A MiniBus
4 Gang #10-32 Studs
Part Number 2305

Cover for 2305
Part Number 2713

BusBar and MiniBus Bus Bar

- The industry standard bus bar for positive distribution, and for the collection of negative or AC ground circuits
- Insert-molded stainless steel stud eliminates need for securing nut and allows high torqueing for excellent electrical contact.
- MiniBus bus bars are ideal for limited space applications

$C\epsilon$

DualBus Plus

- Combines negative and positive buses on one block
- Clear cover snaps on to meet Coast Guard and ABYC insulation requirements

150A 5 Gang 1/4"-20 Studs
Part Number 2722

MaxiBus Enclosure

- Secure insulating cover with breakouts for superior electrical insulation
- Meets ABYC insulation requirements
- Accepts bus bars 2127, 2128, and other products

Part Number 2719

PowerPost and Mini PowerPost Connectors

- Connects high amp cables securely
- Glass reinforced nylon base
- Stainless steel stud terminates multiple large conductors
- Insulator cap helps guard against accidental grounding

PowerPost
7/8" 5/16-18 Stud
Part Number 2002
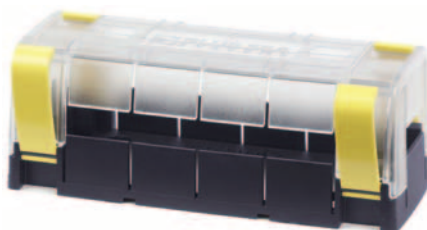
Terminal Block

- Each screw pair is one isolated circuit
- Jumpers allow creation of common circuits (sold separately)
- Closed back design completely insulates power from the mounting surface

20A 6 Circuit
Terminal Block
Part Number 2408

Don't see the part you need? Call us or visit our online store!　　　# Circuit Breakers

Marine Grade Short Stop Breaker
Use a Circuit Breaker instead of a Fuse

Part Number 7151

- Corrosion resistant materials
- Red P64 water resistant insulating boot protects against dust and splashing water
- Push-to-reset operation only disconnects when tripped
- Stainless steel lock nuts

Push Button Reset Only Quick Connect Circuit Breaker

- Branch circuit breakers (can also be used for 24-hour circuit protection)
- Push-to-reset operation, compact size
- Ignition protected—safe for installation on gas powered boats
- Trip-free—can't be held closed after trip

7A Part Number 7053

187 Series Thermal Circuit Breakers

- Combines switching and circuit protection into a single weatherproof, marine rated device for 25 to 200 amp loads
- Ignition protected—safe for gasoline powered boats
- Trip-free—can't be held closed after trip
- Robust 5/16 M8 terminals
- Meets SAE J1171 external ignition protection requirements

A Series Toggle Breaker

- Meets ABYC standards
- Combines switching and circuit protection into a single device
- Trip-free—can't be held closed after trip

5A Part Number 7202

120A Panel Mount Part Number 7046

90A Surface Mount Part Number 7143

CE

DC Fuse Blocks and Fuses

Screw Terminal Compact Blade Style Fuse Block with Cover

- Surface mount circuit protection for ATC/ATO Fuses in a compact footprint
- Ignition protected — Insulating cover satisfies ABYC/USCG requirements
- Single side design allows wire entry from one side to minimize footprint
- Insulating cover meets ABYC/USCG insulation requirements
- Tin-plated copper buses and fuse clips
- Accepts ring or spade type terminals
- Includes 8 write-on circuit labels
- Fuses sold separately

AMI / MIDI, ANL, MRBF Fuses

- Paired with the appropriate fuse holder or block, Blue Sea fuses are ideal for marine and automotive AC and DC electrical systems

30A AMI/MIDI Part Number 5250

50A ANL Part Number 5122

100A MRBF Part Number 5183

8 common course circuits
Part Number 5046

Screw Terminal Blade Style Fuse Block with Cover

- Corrosion resistant, tin plated copper fuse clips reduce heat and improve system efficiency
- 30 amps per circuit; Can be used for 24-hour circuits
- Cover satisfies ABYC/USCG insulation requirements
- Cover features easy to open push button latch, label recesses, and storage space for two spare fuses
- Includes write-on circuit labels
- Accepts ATC and ATO fast acting blade fuses, and ring or spade type wire terminals
- Fuses sold separately

12 circuits with negative bus
Part Number 5026

ANL Fuse Block with Insulating Cover

- **5003** - 35 to 750A, up to 32 Volts DC, wire gauges to 4/0
- **5005** - 35 to 300A, up to 32 Volts DC, wire gauges to 2/0
- Accepts 5/16" (M8) ring terminals
- Swing out design allows replacement of the fuse without removing fasteners
- Insert molded stainless steel studs resist corrosion and high torquing for excellent electrical contact
- UL 94-V0 reinforced polycarbonate base resists high heat
- Insulating cover satisfies ABYC/USCG requirements
- Cover breakouts for wire access in any direction
- Fuses sold separately

Part Number 5003

Part Number 5005

See our FULL LINE of Blue Sea components at store.polarwire.com

Rocker Switches

Weather Resistant
Metal Bezel Standard
Plastic Bezel Standard
Milliamp
Narrow Body
Bracket Mounting
Dual Rocker

On-Off-On DPDT Rocker Switch Part Number 58027-11

Momentary Switches

Marine Push-Button
Two Circuit Push-Button
Normally Off Push-Button
Normally On Push-Button
Door Momentary Switches
Special Momentary Switches
Flexible Push-Button Caps

PVC-Coated Normally Off SPST Push Button Switch Part Number M-608

Toggle Switches

Flat and Paddle Handle
Freightliner Replacement
Special Application
Lighted Tip
Heavy Duty
On-Off

SPST PVC-Coated On-Off Toggle Switch Part Number 5582-10

Ignition Switches

Sealed Key Switches
956 Series Switches
Anti-Restart Switches
Marine Construction
Specialized Ignition
  Switches

2-Position Universal Ignition and Start Switch Part Number 9577

Push-Pull Switches

One Circuit
Two Circuit
Marine Construction
Special Application

PVC-Coated SPST Push-Pull Switch Part Number M-606

Rotary / Headlamp Switches

Rotary Headlamp and Light
Universal Rotating
Rotary Reversing
Foot-Operated
Electronic Dimmer
Push-Pull Headlamp
Rheostat, AC, and Defroster

3 Position Push/Pull Headlamp Switch Part Number 7124

Wiper Switches

Electronic Switches
Electric Two-Speed Switches

Windshield Wiper Rotary Switch Part Number 75212-04
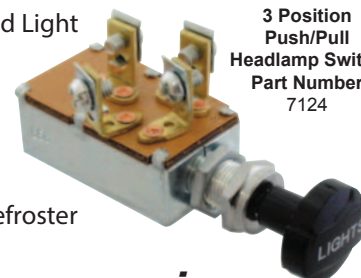
Knobs & Accessories

Switch Covers
Faceplates
Recessed Plates
Toggle Boots

Silicon Rubber Toggle Switch Boots

	Part Numbers
Gray	81264
Black	81264-01
Blue	81264-02
Green	81264-04
Red	81264-05

SPST On-Off Toggle in Recessed Plate Part Number 5543

More Cole Hersee electrical components are available in our online store at **store.polarwire.com**

Battery-Related Products

Battery Selector Switches
Battery Isolators
Master Disconnect Switches
Low Voltage Disconnect Switches

**Master
Disconnect Switch
Part Number** 75920

**Jumper
Terminal with Cap
Part Number** 46210-03

Solenoids and Relays

PVC Coated Steel Housing Solenoids
Steel and Phenolic Body Solenoids
Plastic Body Solenoids
Modules
Relays

**12V Grounded
Intermittent Duty
SPST Solenoid
Part Number** 24117

**40A 12V Form C
SPDT Relay
Part Number**
RC-400112-NN

Warning Devices, Pilot Lights, Lamps and Sockets

Warning Devices
Heavy Duty Pilot Lights
Marine Pilot Lights
Hooded Panel Lamps
Lamp Sockets and Accessories

**Buzzer with Pilot Light
Audible/Visible Alarm
Part Number**
4112-RC

**LED Pilot Light
with Red Lens
Part Number**
PL-612-R

Circuit Protection

Circuit Breakers
Blocks and Bus Bars
Terminal Blocks

**Type I Steel Case
Circuit Breaker
Part Number** 30172-20

**4-Gang
Individual Feed
Terminal Block
Part Number**
M-426

**Type I
Circuit Breaker
Part Number**
30409-10-BP

Electrical Connectors

Automotive Trailer Connectors
Farm Equipment Connectors
Tractor-Trailer Connectors
1- to 6-Pole Connectors
Socket and Plug Interiors

**2-Pole Socket and Plug
Part Number** 11172

Cole Hersee
A Littelfuse Brand

We carry a FULL LINE of Cole Hersee products—visit store.polarwire.com

Fuses

More fuse styles and sizes available online! Look for ABC, MDA, FRS-R, KLM, KTK and other Bussmann® fuses at store.polarwire.com

AGC-10

SFE-20

ATC-20

ATC15-ID

ATM-3

ATM-30LP

GMT-5

MAXI-50

AMG-175

ANL-50 and ANN

FMX-25LP

FMX-30

JJN-250

FLB-80

Circuit Breaker and ATC/ATM Fuse Service Kits available—see page 89

Glass Tube Fuses

Part	Description
AGC	Fast-acting, 32V, 1A to 30A. Up to 10A also rated up to 250VAC 1/4" x 1 1/4". Nickel-plated brass end caps. UL listed.
SFE	Fast-acting, size-rejecting. 32VDC, 4A to 30A. 1/4" diameter, length varies. Nickel-plated brass encamps. Made to SAE specs. UL listed.

Blade Style Fuses

ATC	Fast-acting, 32VDC, 3A to 40A. Color coded plastic housing, enclosed zinc fuse element. Tinned blades. UL Recognized.
ATC-ID	Lights to indicate blown condition. Fast-acting, 32VDC, 1A to 40A. Color coded plastic, enclosed zinc fuse element.
ATM	MINI fast-acting, 32VDC, 5 to 30 amps. Color coded plastic housing, enclosed zinc fuse element. UL Recognized.
ATM-LP	Low profile fast-acting, 32VDC, 2 to 30 amps. Color coded plastic housing, enclosed zinc fuse element. UL Recognized.
MAXI	Fast-acting, high amp fuse. 32VDC, 30 to 80 amps. Color coded plastic housing, enclosed zinc fuse element. UL Recognized.

Stud Mount Fuses and Voltage Limiters

AMG	Bolt-in automotive fuse. 32VDC, 100A to 300A. Ignition protected.
ANL	Fast acting, low voltage current limiter, non time-delay, 80VDC, 35A to 750A. Silver plated contacts, mica window to identify status.
ANN	Very fast acting, low voltage limiter, time-delay for inductive circuits, 80VDC, 125VAC, 10A to 800A. Silver plated contacts, mica window.

Cartridge Fuses and Fusible Links

FMX	Time delay, non-indicating, color coded plastic. 32VDC, 20 to 60A.
FMX-LP	Low profile time delay, non-indicating, color coded. 32VDC, 20 to 60A.
FLB	Bolt-on fusible link, color coded plastic housing. 32VDC, 30 to 100A.

Class T Fuses

JJN	Very fast acting current limiting. 160VDC, 300VAC,150A to 500A.

Telecom Indicating Fuses

GMT	Fast-acting, for use in HLT, HLS, PCT holders. 60VDC, 125 VAC, 1/4A to 15A. Tinned beryllium copper terminals. UL recognized.

High Amp and Mid-Range Circuit Breakers

185 Series Switchable Manual Trip Push-Button Hi-Amp Circuit Breakers are rated 50 to 150 amps. Plastic housing approved for engine compartments or marine bilge areas. Suitable for auxiliary and accessory circuits on trucks, buses, recreational vehicles, marine and construction equipment.

255 Series Switchable Manual Trip Push-Button Mid-Range Breakers are rated from 10 to 50 amps. Use in marine, agriculture, construction, RV, chassis and specialized equipment market applications.

185 Series HI-Amp Surface Mount Part Number CB185-50

185 Series Hi-Amp Panel Mount Part Number CB185P-50

255 Series Mid-Range Part Number CB255-25

Bussmann
by EA‑T‑ON

Fuse Holders

Fuses not included (except HHN)
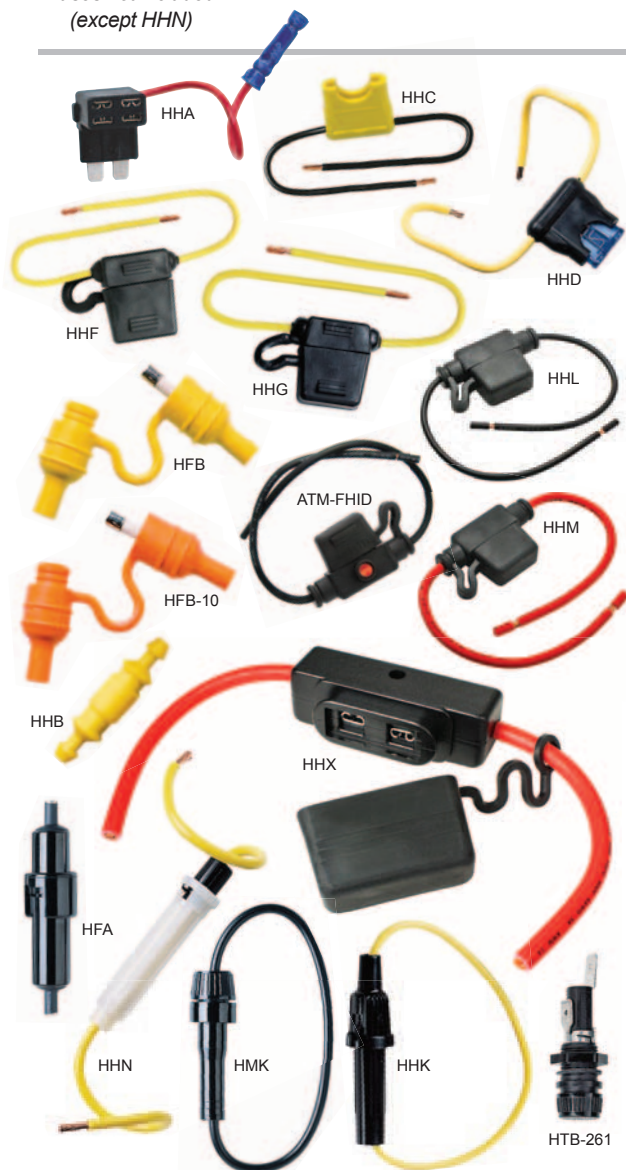
ATC Blade Style Fuse Holders

Part Number	Description
HHA	10 amp Add-a-Circuit piggyback, 5" 16 gauge red lead wire
HHC	Yellow fuse holder, 3-20 amps, 16 gauge black lead wire
HHD	Black fuse holder, 3-30 amps, 12 gauge yellow lead wire
HHF	Black fuse holder with cover, 3-20 amps, 16 gauge yellow lead
HHG	Black fuse holder with cover, 3-30 amps, 12 gauge yellow lead

ATM Blade Style Fuse Holders

ATM-FHID	Easy ID illuminating fuse holder, 20A max, 16 gauge black lead
HHL	Fuse holder with cover, 2-20 amps, 16 gauge lead wire
HHM	Fuse holder with cover, 2-30 amps, 12 gauge lead wire

MAXI Blade Style Fuse Holder

HHX	Fuse holder with cover, 20-60 amps, 6 gauge lead wire

Glass Tube Fuse Holder, Wire Loop Leads

HMK	30 amp maximum (and SFE 20), 12 gauge lead wire
HHK	Universal nylon twist-lock for AGC, AGA, AGW and SFE fuses 14 gauge lead wire

Glass Tube Fuse Holder with Fuse, Wire Loop Leads

HHN	Nylon heavy-duty holder with AGC 30 fuse, 12 gauge lead wire

Glass Tube Fuse Holder, Crimp Type Connectors

HHB	Universal holder in yellow, accepts fuses to 30 amps, 32V 12 to 18 AWG leads

Waterproof Glass Tube Fuse Holder, Crimp Connectors

HFA	Accepts AGC and MDL fuses to 30 amps, 12 to 16 AWG leads
HFB	Accepts fuses to 30 amps, 32V, accepts 12 to 18 AWG leads
HFB-10	Accepts fuses to 30 amps, 32V, accepts 10 gauge leads only

Panel Mount Fuseholders for 1/4" to 1 1/4" Fuses

HTB-261	Low-profile cover knob, rear hex nut mounting 1/4" quick-connect terminations

ATC Blade Style *Arctic Ultraflex Blue®* Fuse Holders

Waterproof fuse holder accommodates ATC style fuses up to 40 amps. ***Arctic Ultraflex Blue®*** premium wire leads.

Part Number	Description®
WH10GRY	Black fuse holder, 14" 10 gauge gray Arctic Ultraflex Blue® lead wires
WH12RED	Black fuse holder, 26" 12 gauge red Arctic Ultraflex Blue® lead wire loop
WH12YEL	Black fuse holder, 14" 10 gauge yellow Arctic Ultraflex Blue® lead wires

Customize *the wire color and length of 10 and 12 gauge ATC blade style* ***Arctic Ultraflex Blue®*** *fuse holders. Order any quantity!*

WH12YEL   WH12RED   WH10GRY

CUSTOM CABLES
POLAR WIRE PRODUCTS
LIFETIME LIMITED
WARRANTY

FIBERGLASS ENCLOSURES
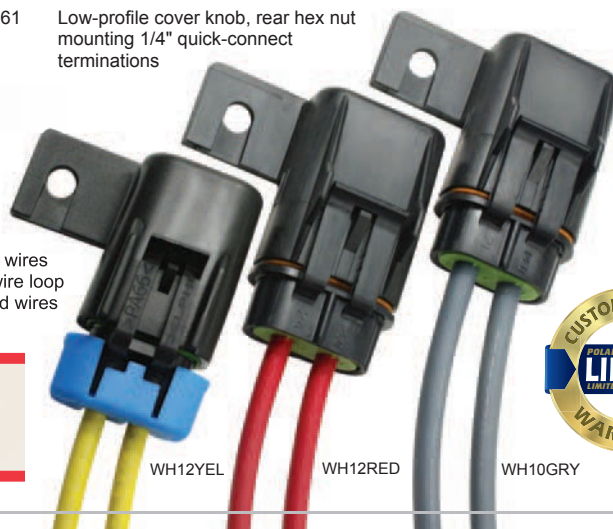
VJ Series Fiberglass Enclosures

Vynckier **Fiberglass Enclosures** insulate, house, and protect connections, components, instruments or controls from dirt, dust, oil and water. Suited for indoor/outdoor applications, corrosive environments and high heat conditions.

• One piece body construction features molded-on mounting flanges for increased strength; corner ribs reinforce cover
• Seamless poured polyurethane gasket provides oil-resistant, watertight and dust-tight seal
• Cover corner screw holes outside of gasketed area
• Hot compression molded, fiberglass reinforced polyester cabinet is halogen free, self extinguishing, corrosion resistant and requires no maintenance
• Withstands continuous temperatures from -58°F to 302°F (-50°C to 150°C) and momentary exposure up to 392°F (200°C)
• Includes UL/CSA label and 4 threaded mounting inserts
• Readily modified with conventional tools

√RoHS *compliant*

Aluminum Back Panels available—call to order

Standards and Approvals

• Meets US JIC standards
• IEC 60529 (IP66), IEC 60439-1, IEC 50298
• EN 60529 (IP66), EN 60439-1, EN 50298
• UL 508 NEMA 3, 3R, 4, 4X, 12 & 13
• CSA 3, 3R, 4, 4X, 12 & 13

-50°C TO 150°C

Opaque Cover enclosures feature riveted stainless steel piano hinges and one or two padlockable stainless steel quick release latches.

Raised Opaque Cover enclosures add additional depth to the cover for more room inside the box.

Bonded Window enclosures feature a transparent bonded LEXAN® inspection window in the cover.

Corner Screw Opaque Cover enclosures have a latchless cover secured with four stainless steel captive corner screws by means of threaded brass inserts built into the base.

vynckier
ENCLOSURE SYSTEMS INC.

VJ Series Enclosures — 6" X 6" to 20" X 16"

Cover Style Part Number	Nominal Size	Height	Outside Width	Depth	Height	Inside Width	Depth	Latch Qty
Opaque Cover								
VJ606HWPL1	6 x 6	7.31	7.31	4.96	6.0	6.0	4.1	1
VJ806HWPL1	8 x 6	9.30	7.31	4.96	8.0	6.0	4.1	1
VJ1008HWPL1	10 x 8	11.31	9.30	5.43	10.0	8.0	4.69	1
VJ1210HWPL2	12 x 10	13.30	11.31	5.58	12.0	10.0	4.84	2
VJ1412HWPL2	14 x 12	15.32	13.30	6.70	14.0	12.0	5.82	2
VJ1614HWPL2	16 x 14	17.31	15.32	6.70	16.0	14.0	5.82	2
VJ1816HWPL2	18 x 16	19.31	17.31	9.58	18.0	16.0	8.69	2
VJ2016HWPL2	20 x 16	21.32	17.32	11.51	19.84	15.84	11.05	2
Raised Opaque Cover								
RVJ1008HWPL1	10 x 8	11.31	9.30	6.93	10.0	8.0	6.18	1
RVJ1210HWPL2	12 x 10	13.30	11.31	7.10	12.0	10.0	4.84	2
RVJ1412HWPL2	14 x 12	15.32	13.30	8.19	14.0	12.0	5.82	2
RVJ1614HWPL2	16 x 14	17.31	15.32	8.19	16.0	14.0	5.82	2
RVJ1816HWPL2	18 x 16	19.31	17.31	11.08	18.0	16.0	8.69	2
Bonded Window Cover								
VJB606HWPL1	6 x 6	7.31	7.31	4.96	6.0	6.0	4.1	1
VJB806HWPL1	8 x 6	9.30	7.31	4.96	8.0	6.0	4.1	1
VJB1008HWPL1	10 x 8	11.31	9.30	5.43	10.0	8.0	4.69	1
VJB1210HWPL2	12 x 10	13.30	11.31	5.58	12.0	10.0	4.84	2
VJB1412HWPL2	14 x 12	15.32	13.30	6.70	14.0	12.0	5.82	2
VJB1614HWPL2	16 x 14	17.31	15.32	6.70	16.0	14.0	5.82	2
VJB1816HWPL2	18 x 16	19.31	17.31	9.58	18.0	16.0	8.69	2
VJB2016HWPL2	20 x 16	21.32	17.32	11.51	19.84	15.84	11.05	2
Corner Screw Opaque Cover								
VJ606W	6 x 6	7.31	7.31	4.96	6.0	6.0	4.1	0
VJ806W	8 x 6	9.30	7.31	4.96	8.0	6.0	4.1	0
VJ1008W	10 x 8	11.31	9.30	5.43	10.0	8.0	4.69	0
VJ1210W	12 x 10	13.30	11.31	5.58	12.0	10.0	4.84	0
VJ1412W	14 x 12	15.32	13.30	6.70	14.0	12.0	5.82	0
VJ1614W	16 x 14	17.31	15.32	6.70	16.0	14.0	5.82	0
VJ1816W	18 x 16	19.31	17.31	9.58	18.0	16.0	8.69	0
VJ2016W	20 x 16	21.32	17.32	11.51	19.84	15.84	11.05	0

VM Series Transparent Cover Enclosures

Use **VM Series Enclosures** as insulated junction and wiring boxes, instrument housings, control boxes and pushbutton housings in wet, dusty and corrosive environments.

• Impact resistant VALOX® 357U crystalline thermoplastic polyester bases are easily punched, drilled, sawn, or filed
• Transparent LEXAN® polyurethane covers
• Seamless tongue and groove gasket seals tightly
• Knockouts and molded internal bosses for back panel mounting of components or DIN rails
• Non-metallic corner screws included

RoHS compliant

Standards and Approvals

• ASTM D 648 up to 138°C heat deflection
• Protection degree: IP66 (IEC 529)
• UL Listed types: 4, 4X, 3, 3R, 12 & 13
• CSA Listed types: 4, 4X, 3, 3R, 12 & 13

138°C

VM Series Transparent Cover Enclosures						5" X 3" to 7" X 7"	
Part Number	Nom. Size	Outside Height	Outside Width	Outside Depth	Inside Height	Inside Width	Inside Depth
VM533CTK	5x3x3	5.03	3.06	3.02	4.69	2.61	2.72
VM553CTK	5x5x3	5.03	5.03	3.02	4.69	4.69	2.72
VM753CTK	7x5x3	7	5.03	3.02	6.65	4.69	2.72
VM755CTK	7x5x5	7	5.03	5.02	6.65	4.69	4.72
VM773CTK	7x7x3	7	7	3.02	6.65	6.65	2.72
VM775CTK	7x7x5	7	7	5.02	6.65	6.65	4.72

ARIA Series Industrial Wall Mount Enclosures

Aluminum Back Panels available—call to order

ARIA Series Industrial Wall Mount Enclosures have an attractive, contemporary appearance. Use as insulated junction boxes, terminal wiring boxes, and instrument and control housings in wet, dusty and corrosive environments.

• Self-extinguishing, halogen-free, and corrosion resistant hot compression molded fiberglass reinforced polyester
• Provides double insulation and a protection degree of IP66-9 following IEC 529 and CENELEC EN 60529 UL/CSA Listed NEMA 4X
• Temperature resistance: -58°F to 302°F (-50°C to 150°C), momentary to 392°F (200°C)
• Internal three-point closing with one-point entry
• Seamless polyurethane door edge channel gasket
• Door bosses for front panel mounts
• Easy to install hinged aluminum front panel
• includes accessory self-adhesive rain-shield
• Easily modified with conventional tools
• Padlockable stainless steel quick release latches

RoHS compliant

-50°C TO 150°C

Ideal for high performance applications in heavy industry— oil and gas, mining, lumber

Standards and Approvals

• Protection degree: IP66 (IEC 529)
• IEC 60439-1 and 60529
• EN 60439-1, 60529 and 50298
• UL Listed types: 4, 4X, 3, 3R, 12 & 13
• CSA Listed types: 4, 4X, 3, 3R, 12 & 13
• AS 3132 - 1991

ARIA Series Fiberglass Enclosures							28" X 20" to 33" X 25"
Part Number	Nom. Size	Outside Height	Outside Width	Outside Depth	Inside Height	Inside Width	Inside Depth	Weight (pounds)
AN2820PL	28x20	28.94	21.06	10.63	26.57	18.5	9.68	26.23
AN3325PL	33x25	32.87	25	11.81	30.51	22.44	10.86	35.76
Part Number with Bonded Window (UL Listed for Type 4x; UL file #E54315)								
ANB2820PL	28x20	28.94	21.06	10.63	26.57	18.5	9.68	26.23
ANB3325PL	33x25	32.87	25	11.81	30.51	22.44	10.86	35.76

CorrosionX®

Polar Wire Products is an authorized distributor for Corrosion Technologies. For the complete line of CorrosionX® products, visit www.corrosionx.com

16 oz. Trigger Spray 91002
16 oz. Aerosol 90102
6 oz. Aerosol 90101
Gallon 94004

CorrosionX® stops and prevents corrosion and rust. A light spray on power heads, generator sets and engines two or three times a year keeps them looking like new—even in saltwater conditions. CorrosionX® lubricates under heavy loads and high temperatures, and penetrates quickly. Corroded or rusted nuts, bolts or fittings can usually be removed within a few minutes. CorrosionX® is nontoxic, non-carcinogenic, and nonflammable when not in aerosol form. The aerosol propellant is flammable.

Polar Bonding

Inhibitor Molecules   Metal Molecules

CorrosionX® has the unique ability to "polar bond" to metal, like a magnet. This helps CorrosionX® creep through microscopic voids and over surface irregularities to penetrate between seized surfaces, where it softens rust and corrosion deposits to free up frozen parts. CorrosionX® not only stops rust and corrosion, it provides exceptional, long-lasting lubrication, better than even Teflon-fortified products.
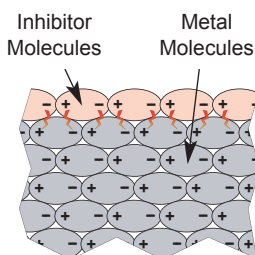
The bearing on the left was treated with CorrosionX; the one on the right was left untreated. Both were sprayed with seawater every day for two weeks. Note the remarkable difference.

CorrosionX® Heavy Duty forms a dripless, non-hardening, self-healing film that stubbornly resists removal by splash or spray—even full saltwater immersion. It penetrates rust and corrosion, removes moisture, stops electrolysis, then seals.
12 oz. Aerosol 90104
Gallon 96004
5-Gallon 96005

CorrosionX® Aviation, a product of aerospace research and development, is a special blend of inhibitors, lubricants and surface-active agents. Stops and prevents rust and corrosion. Lubricates better than Teflon® products. Penetrates and loosens frozen parts faster than other products designed for that purpose.
16 oz. Trigger Spray 80103
16 oz. Aerosol 80102
Gallon 84004

RejeX® advanced polymer treatment seals painted surfaces, metal, gel coat, glass and acrylic against bugs, bird droppings, exhaust stains, oil, grease, tar, and other grime. RejeX® forms a long-lasting barrier that protects vehicle finishes and provides a lustrous shine.
12 oz. 61001
16 oz. 61002
Gallon 61004

MaxWax® is a tough, synthetic wax-based, resilient corrosion inhibitor barrier coating that provides long-term protection for metal surfaces. It forms a smooth, even coating and penetrates to stop rust and corrosion. Will not harden, crack or lose resiliency even in sub-zero temperatures and high heat.
12 oz. 77002

ReelX® is the perfect lubricant for fishing reels. It keeps reels lubricated and corrosion-free for maximum performance. ReelX® is used and recommended by prominent reel manufacturers.
1 oz. 77000

CorrosionX® for Guns cuts through stubborn bore deposits for better cleaning, and decreases fouling, even after hundreds of rounds. Lubricates mechanisms and prevents rust, even in wet weather. Ideal for semiautomatics and automatics.
4 oz. 50010

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