Polar Wire Products Arctic Superflex Blue® Jumper Cables



Arctic Superflex Blue[®] Double Conductor Wire

Double Conductor Wire	1
Cable Construction	2
Jump Start Cables	4
J1283 Connectors	6
1/0 Gauge Cables	8
2 Gauge Cables	10
4 Gauge Cables	12
ATV/UTV Cables	14
Replacement Clamps	16
Accessories & Parts	17

FOR OVER 30 YEARS,

Polar Wire has exclusively manufactured premier **Arctic Superflex Blue**[®]

jumper cable systems. Quality built and geared for performance, our cables get you back up and running fast.

We know cold! Polar Wire cables have been put to use in some of the coldest climates on Earth. Proven in the harsh conditions of Alaska's North Slope, our rugged jumper cables just keep working.

Whether you use our jumper cable systems while enjoying the great outdoors, or as a reliable necessity for your business, you'll find them tough and dependable.

We custom build our jumper and jump start cable systems to your requirements. Contact us for your unique solutions.

Polar Wire Products

Office	(907) 561-5955
24/7 Fax	(907) 561-4233
Website	www.polarwire.com
Web Store	store.polarwire.com

Please email us via the contact link at store.polarwire.com

©2024 Polar Wire Products, Inc. All Rights Reserved

Arctic Superflex Blue®

Arctic Superflex Blue[®] has been tested and used successfully for more than 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 the abuses of oil, gasoline, salt water, acids and chemicals. *Arctic Superflex Blue*[®] cables are highly abrasion resistant and can be used in most 600 volt applications.



8 AWG	Arctic Superflex Blue [®]
6 AWG	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
	2 AWG
	1/0 AWG 3/0 AWG
Polar Wire Products is the exclusive manufacturer of	Polarity stripe
Arctic Superflex Blue [®]	extruded into jacket

Polar Wire Products, Inc

Double Conductor Wire

Arctic Superflex Blue®

1/0 AWG

1064/30 UL Class K

strands per conductor

Thermoplastic Elastomer Jacket

- Same jacket as Arctic Ultraflex Blue[®]
- Cold weather flexibility to -55°C (-67°F)
- High temperature performance to 105°C (221°F)
- 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

Applications

- Battery and jumper cables
- Wind and solar power systems
- Outboard motor leads
- Tow truck booster systems
- 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

We use **Arctic Superflex Blue**[®] double conductor cable exclusively in our stock and custom jumper cable systems

oHS

-55°C TO 105°C

- Stays flexible to -55°C (-67°F)
- 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



OM CAB

RRAN

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

Polar Wire Products, Inc

- Ideal for automotive, fleet and service applications
- Proven in extreme temperatures of -55°C to 105°C (-67°F to 221°F)
- 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



Arctic Superflex Blue® Jumper Cable Construction

400A

2 and 4 Ga Cables

120A

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 -55°C (-67°F)

- 100% copper Class K fine strand conductors
- High temperature performance to 105°C (221°F)
- 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 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

Jump Start Plug

Jump Start Receptacle 1000A Dual Live Jaw 1/0 and 3/0 Ga Cables

> **100A** 8 and 6 Ga

> > Cables

www.polarwire.com

175A

350A

Arctic Superflex Blue® Plug to Clamp Jump Start Cables

Built for Industry—Ideal for Earth Moving Equipment

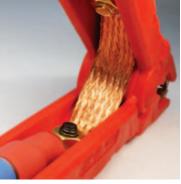
- Considerably more copper than standard automotive jumper cables NO aluminum
- 1/0 gauge Jump Start Cables are sized to meet heavy duty commercial and industrial requirements and standards
- Ideal for earth moving and off road machinery, mining, agriculture and construction equipment, auxillary start systems
- Arctic Superflex Blue[®] cables are tough, flexible, and dependable, even in the most extreme weather
- Rated for -55°C to 105°C (-67°F to 221°F)
- 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 heavy gauge 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

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

Copper bonding strap sends continuous current to both jaws for higher amperage

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 Clamps



ARCTIC

1000 Amp Dual Live Jaw Clamps

1/0 GAUGE ARCTIC SUPERFLEX BLUE[®] JUMP START CABLES

Polar Wire Products, Inc

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 insulation stands up to oil, gas, salt water, acids, chemicals, and sunlight
- -55°C to 105°C (-67°F to 221°F)
- Extruded polarity stripe
- High ampacity SAE J1283 Jump Start Plugs are rated 500A continuous, 2000A 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

1/0 Gauge J1283 Plug to Plug Cables

Part Number	
JSP-1/0-15P	
JSP-1/0-30P	





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 Amps Continuous, 2000 Amps 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

JS-PLUG J1283 Plug Connector

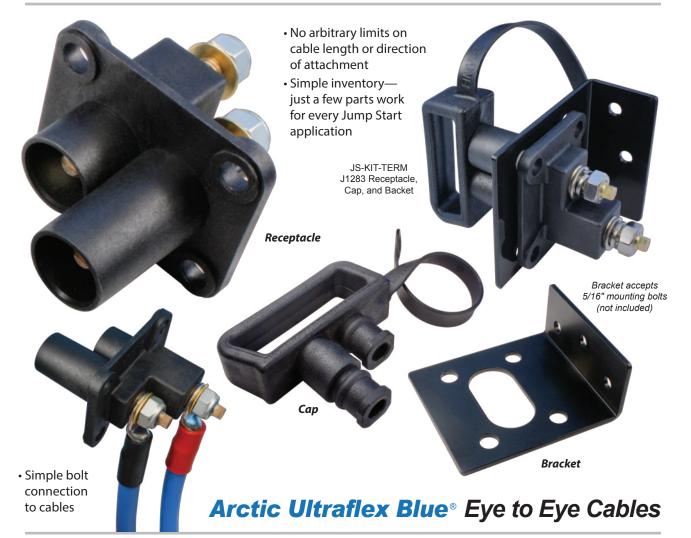
Plug

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



JUMP START MECHANICAL CONNECTORS

6



SAE J1283 Jump Start Mechanical Receptacle

Fit your J1283 Receptacle with Polar Wire's 1/0 AWG **Arctic Ultraflex Blue**[®] **Eye-to-Eye Cables** for superior conductivity and cold-weather flexibility. 100% copper fine stranded conductors and a tough insulation that stands up to abrasion, chemicals, water and sunlight. Adhesive heat shrink seals the cable ends against the penetration of corrosive elements and provides color coding for polarity identification.

ARCTIC ULTRAFLEX BLUE . -55°C to 105° C

- Heavy duty 3/8" tin-plated copper lugs
- Heat shrink seals out corrosion
- *Negative* Blue cable, black shrink *Positive* Blue cable, red shrink

Arctic Ultraflex Blue[®] cables carry our limited **LIFETIME WARRANTY** on manufacturing and materials

Specify the right length for your application!



JUMP START MECHANICAL CONNECTORS

Arctic Superflex Blue[®] 1/0 Gauge Booster Cables

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

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

to Clamp

-55°C TO 105°C

Clamp

1000 Amp Dual Live Jaw Clamps

Extruded polarity stripe

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

Polar Wire Products, Inc

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 copper 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



1/0 Gauge Arctic Superflex Blue® Harness Components



2 Gauge Arctic Superflex Blue® Clamp to Clamp Cables

Powerful — **Durable** — **Reliable** — **Cost Effective** 100% COPPER Clamps, Conductors and Lugs—Absolutely NO ALUMINUM!



Clamp to

Clamp

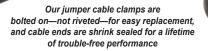
- Our cables contain considerably more copper than standard automobile jumper cables
- Arctic Superflex Blue[®] 2 gauge jumper cables are ideal for most commercial uses—trucks, tractors, light planes
- Easily repaired
- Built for long life
- Super flexible and easy to handle even in deep cold
- Highly abrasion-resistant jacket stands up to oil, gas, salt, acids, chemicals, sun
- 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

2 Gauge Clamp to Clamp Cables

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

-55°C TO 105°C

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



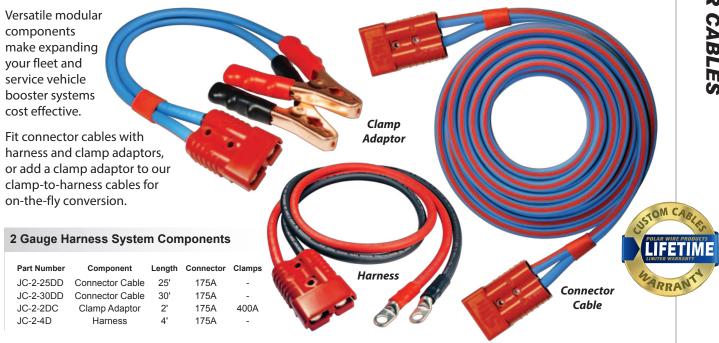
Polar Wire Products, Inc

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 • 400 amp copper clamps and lugs Impact-resistant polycarbonate connectors mate easily and securely Heat shrink relieves strain and seals out corrosion Stays tangle-free and flexible in extreme cold LIFETIME Limited Warranty on materials and manufacturing 2 Gauge Clamp to Harness Cables Length Harness Connector Clamps Part Number Clamp to JC-2-164 16' 4' 175A 400A JC-2-204 4' 400A Harness 20' 175A JC-2-254 4' 400A 25' 175A 4' JC-2-304 30' 175A 400A -55°C TO 105°C

2 Gauge Arctic Superflex Blue® Harness Components



11

Arctic Superflex Blue[®] 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 lifeEasily repaired if needed

- Highly abrasion-resistant insulation
- Resists chemicals, saltwater, sun
- Exceeds SAE standards

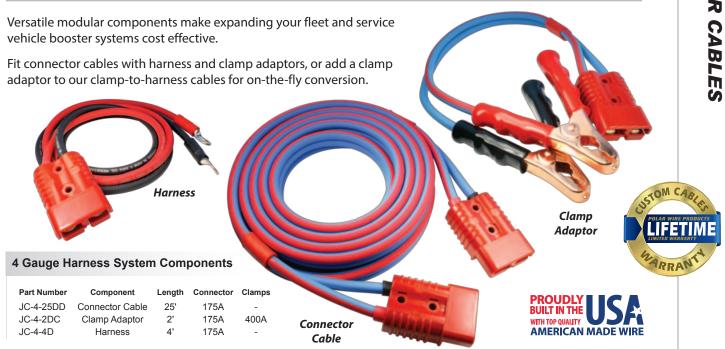


12

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 • 400 amp copper clamps and tinned copper lugs • Impact-resistant polycarbonate connectors mate easily, securely • LIFETIME Limited Warranty on materials and manufacturing Clamp to 4 Gauge Clamp to Harness Cables Harness Part Number Connector Clamps LengthHarness JC-4-164 16' 4' 175A 400A IC-4-204 20' 4' 175A 400A -55°C TO 105°C JC-4-254 25' 4' 175A 400A

4 Gauge Arctic Superflex Blue® Harness Components



13



6 GAUGE ARCTIC SUPERFLEX BLUE[®] ATVIUTV JUMPER CABLES

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
- 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 guality 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

100A

6 Gauge ATV/UTV Clamp to Clamp

Part Number	Leng
JC-6-12	12

JC-6-102

Clamps

100A

6 Gauge ATV/UTV Clamp to Harness

Part Number Length Connector Clamps 2

120A

6 Gauge ATV/UTV Harness

10'

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



Clamp to Harness Clamp

to Clamp

Harness



LIFETIM

8 Gauge Arctic Superflex Blue® ATV/UTV Jumper Cables







Jumper Cable Clamps Accessories and Parts

Replacement Jumper Cable Clamps

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

Our replacement clamps are designed to perform and manufactured to last with thick copper jaws, durable insulation, and strong steel springs.

1000 Amp Dual Live Jaw

We fit our 1/0 and 3/0 **Arctic Superflex Blue**[®] jumper cables with these powerful copper 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

> 100 Amp Part Numbers 100-BLACK 100-RED

400 Amp Part Numbers 400-BLACK 400-RED

400 Amp

We use these top quality copper clamps on our **Arctic Superflex Blue**[®] 2 and 4 gauge jumper cables

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

100 Amp

Polar Wire's 8 and 6 gauge **Arctic Superflex Blue**[®] ATV/UTV jumper cables are made with these sturdy, fully insulated copper clamps.

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



7941 Brayton Drive, Anchorage, Alaska • (907) 561-5955 *www.polarwire.com*

