

Arctic Ultraflex Blue® Power Cord

ARCTIC ULTRAFLEX BLUE®

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**100% Copper Conductors for Reliable Portable Power
Stays Flexible and Easy to Handle to -50°C**

Polar Wire **Power Cord** provides mechanical toughness and flexibility in cold conditions down to -50°C (-58°F). The SEOOW **Arctic Ultraflex Blue®** insulation remains flexible and won't become stiff or crack, even in these extreme temperatures. **Arctic Ultraflex Blue®** has excellent abrasion resistance and withstands oils, greases, gas, salt, sunlight, and chemicals.

Typical applications include power and lighting for construction sites and wiring for industrial machines, large appliances, heavy duty tools, and motors. Suitable for indoor and outdoor use, wet locations, and water submersion. 600 Volts.



Features

- Flexible, tough TPE jacket
- Works under temperature extremes of -50°C to 105°C (-58°F to 221°F)
- Color coded conductors for easy identification
- Ozone, sunlight, water resistant with high dielectric insulation
- Excellent abrasion and cut resistance
- 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

Industry Approvals

- UL Listed SEOOW 600V for NEC Article 400
- CSA Certified ST00W (TPE) -50°C to 105°C
- P-241-3-MSHA approval for flame resistance and mining applications
- Federal and Military use under Federal Spec. JC-580B



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



-50°C TO 105°C



Power Cord (-50°C to 105°C)

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

*Special order (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 to 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 SEOWW (UL) 600V 105C

(-50C) -- CSA 265576 SEOWW 600V

105C (-50C) FT2 WATER RESISTANT

**3-Conductor 16, 14, 12, and 10 AWG Power Cord fully stocked
Supplies may be limited on other sizes and configurations**

Please call for availability



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