

Arctic Ultraflex Blue® Power Cord

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

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Features

- Flexible, tough 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



Applications

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



Industry Approvals

- Federal and Military use under Federal Spec. JC-580B
- UL Listed SE00W 600V and SJEOOW 300V for NEC Article 400
- CSA Certified ST00W or SJT00W (TPE) -50°C to 105°C
- MSHA approval for flame resistance and mining applications



Power Cord 18 – 10 AWG

Part Number	Gauge/Number of Conductors	Stranding Quantity/AWG	NOM OD	WT/ 1000	AMPS*
AUF-182	18/2	16/30	.345"	59	10
AUF-183	18/3	16/30	.365"	69	10
AUF-184	18/4	16/30	.395"	81	7
AUF-185	18/5	16/30	.465"	108	5.6
AUF-162	16/2	26/30	.370"	71	13
AUF-163	16/3	26/30	.390"	81	13
AUF-164	16/4	26/30	.420"	99	10
AUF-165	16/5	26/30	.495"	135	8
AUF-142	14/2	41/30	.505"	126	18
AUF-143	14/3	41/30	.525"	149	18
AUF-144	14/4	41/30	.575"	183	15
AUF-145	14/5	41/30	.652"	219	12
AUF-122	12/2	65/30	.570"	163	25
AUF-123	12/3	65/30	.595"	199	25
AUF-124	12/4	65/30	.645"	242	20
AUF-125	12/5	65/30	.710"	281	16
AUF-102	10/2	104/30	.655"	207	30
AUF-103	10/3	104/30	.662"	259	30
AUF-104	10/4	104/30	.705"	316	25
AUF-105	10/5	104/30	.771"	367	20

*Ampacity based on NEC Table 400-5 (A) for sizes 18/2 through 10/4.

Note: Sizes up to 10/4 are UL/CSA/MSHA.

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 or Black

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 SE00W (UL) 600V 105°C (-50°C) -- CSA 231208 ST00W (TPE) 600V 105°C (-50°C) FT2 WATER RESISTANT



-50°C TO 105°C

WORKING WITH THE CODE

Flexible cords and cables, as permitted by NEC, Article 400, are available at Polar Wire for temporary installation of generators and construction power distribution.