

# Arctic Ultraflex Blue® Power Cord

ARCTIC ULTRAFLEX BLUE®

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



### 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

### 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 SE00W 600V and SJEOOW 300V for NEC Article 400
- CSA Certified ST00W or SJTOOW (TPE) -50°C to 105°C
- P-241-3-MSHA approval for flame resistance and mining applications



### 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	.925"	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 (1.31mm<sup>2</sup>) 2/C SE00W (UL) 600V 105C (-50C) -- CSA 265576 SE00W 600V 105C (-50C) FT2 WATER RESISTANT