



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



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 retardance
- 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



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

