



Specifications



Conductors: 18 through 2 AWG Stranded Bare Copper
Jacket Color: Blue or Black
Color Code: 2/C black, white; 3/C black, white, green; 4/C black, white, red, green; 5/C black, white, red, green, and orange.

Sample Legends: **ARCTIC ULTRAFLEX BLUE™** E224869 12 AWG (3.30mm²) 3/C SEOOW (UL) 600V -50°C to 105°C CSA STOOW (TPE) -50°C to 105°C FT2 WATER RESISTANT P-241-3-MSHA.
ARCTIC ULTRAFLEX BLUE™ 6 AWG (12.45mm²) 4/C SEOOW/SCE 600V -50°C to 105°C WATER RESISTANT P-241-3-MSHA.

Features

- Flexible, tough jacket
- Works well 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
- Push button remote controls
- Color coded conductors for easy identification
- Motor control, stage equipment and lighting
- Industrial control and robotic systems
- Machine and power tools
- Dockside power applications
- Outdoor applications
- Suitable and approved for submersion in water

Industry Approvals

Federal and Military use under Federal Spec. JC-580B. UL listed SEOOW 600V and SJEOOW 300V to NEC Article 400, CSA certified STOOW or SJTOOW (TPE) -50°C to 105°C. MSHA approval for flame resistance and mining applications.



Part Number	Description	Stranding Quantity/AWG	NOM OD	WT/1000	AMPS**
AUF-182	18/2 SEOOW	16/30	.345"	59	10
AUF-183	18/3 SEOOW	16/30	.365"	69	10
AUF-184	18/4 SEOOW	16/30	.395"	81	7
AUF-185	18/5 SEOOW	16/30	.465"	108	5.6
AUF-162	16/2 SEOOW	26/30	.370"	71	13
AUF-163	16/3 SEOOW	26/30	.390"	81	13
AUF-164	16/4 SEOOW	26/30	.420"	99	10
AUF-165	16/5 SEOOW	26/30	.495"	135	8
AUF-142	14/2 SEOOW	41/30	.505"	126	18
AUF-143	14/3 SEOOW	41/30	.525"	149	18
AUF-144	14/4 SEOOW	41/30	.575"	183	15
AUF-145	14/5 SEOOW	41/30	.652"	219	12
AUF-122	12/2 SEOOW	65/30	.570"	163	25
AUF-123	12/3 SEOOW	65/30	.595"	199	25
AUF-124	12/4 SEOOW	65/30	.645"	242	20
AUF-125	12/5 SEOOW	65/30	.710"	281	16
AUF-102	10/2 SEOOW	104/30	.662"	207	30
AUF-103	10/3 SEOOW	104/30	.655"	259	30
AUF-104	10/4 SEOOW	104/30	.705"	316	25
AUF-105	10/5 SEOOW	104/30	.771"	367	20
AUF-83	8/3 SEOOW	96/28	.700"	332	40
AUF-84	8/4 SEOOW	96/28	.783"	425	35
AUF-85	8/5 SEOOW	96/28	.850"	509	28
AUF-63	6/3 SEOOW	96/26	.818"	473	55
AUF-64	6/4 SEOOW	96/26	.892"	594	45
AUF-65	6/5 SEOOW	96/26	.992"	744	36
AUF-42	4/2 SEOOW	96/24	.911"	484	70
AUF-44	4/4 SEOOW	96/24	1.014"	886	60
AUF-45	4/5 SEOOW	96/24	1.203"	1134	48
AUF-23	2/3 SEOOW	7x7/.0223	1.158"	1074	95
AUF-24	2/4 SEOOW	7x7/.0223	1.267"	1332	80
AUF-25	2/5 SEOOW	7x7/.0223	1.389"	1538	64

**Ampacity based on NEC Table 400-5 (A) for sizes 18/2 through 10/4 and table 400-5 (B) for sizes 8/2 through 2/5.

Note: Sizes up to 10/4 are UL/CSA/MSHA. Sizes 8/2 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 -50°C.