



Arctic Ultraflex Blue® Cord (Flexible Control Cable)

Features

- Combines lightweight flexibility with mechanical toughness
- All-weather protection from -50°C to 105°C
- Superior conductor colors for easy identification
- Exceptional abrasion resistance
- Resistant to gas, oil, chemicals, water, and ozone solvents
- 105°C rating provides maximum ampacity
- All components are recyclable, environment safe, and non-hazardous for landfill disposal
- Easy to handle and carry



Applications

- Pendant push button remote controls
- Motor control, stage lighting, and temperature control systems
- Indoor and outdoor open wiring applications
- Portable control equipment and industrial robotic systems
- General use 600V control and instrumentation equipment
- Special control use where toughness, flexibility, and high or low temperature endurance are required
- Suitable and approved for submersion in water



Industry Approvals

- UL Listed SEOOW cord, MSHA Approved for flame resistance and mining applications
- CSA Certified STW (TPE) -50°C to 105°C
- Meets Federal Specification JC-580B

Custom colors and configurations available. Minimums apply.

Control Cable 18 – 16 AWG

Blue or black outer jacket

Part Number	Gauge/Number of Conductors	Stranding Quantity/AWG	Nominal OD Inches	WT/1000	AMPS**
AUF-185	18/5	16/30	.465"	108	5.6
AUF-186	18/6	16/30	.484"	126	5.6
AUF-187	18/7	16/30	.484"	132	5.6
AUF-188	18/8	16/30	.517"	143	4.9
AUF-1810	18/10	16/30	.592"	171	4.9
AUF-1812	18/12	16/30	.610"	193	3.5
AUF-1814	18/14	16/30	.636"	219	3.5
AUF-1816	18/16	16/30	.695"	256	3.5
AUF-1818	18/18	16/30	.735"	288	3.5
AUF-1820	18/20	16/30	.763"	320	3.5
AUF-1822	18/22	16/30	.800"	340	3.15
AUF-1824	18/24	16/30	.838"	359	3.15
AUF-1826	18/26	16/30	.848"	389	3.15
AUF-1827	18/27	16/30	.860"	404	3.15
AUF-1830	18/30	16/30	.897"	429	3.15
AUF-1836	18/36	16/30	.976"	513	2.8
AUF-1839	18/39	16/30	1.025"	583	2.8
AUF-1844	18/44	16/30	1.100"	658	2.45
AUF-1852	18/52	16/30	1.130"	728	2.45
AUF-165	16/5	26/30	.495"	135	8
AUF-166	16/6	26/30	.530"	151	8
AUF-167	16/7	26/30	.530"	159	8
AUF-168	16/8	26/30	.560"	180	7
AUF-1610	16/10	26/30	.634"	217	7
AUF-1612	16/12	26/30	.690"	266	5
AUF-1614	16/14	26/30	.720"	293	5
AUF-1616	16/16	26/30	.755"	327	5
AUF-1618	16/18	26/30	.805"	358	5
AUF-1620	16/20	26/30	.827"	394	5
AUF-1622	16/22	26/30	.865"	412	4.5
AUF-1624	16/24	26/30	.910"	465	4.5
AUF-1626	16/26	26/30	.925"	480	4.5
AUF-1627	16/27	26/30	.935"	520	4.5
AUF-1630	16/30	26/30	.990"	576	4.5
AUF-1636	16/36	26/30	1.060"	667	4.0
AUF-1639	16/39	26/30	1.110"	723	4.0
AUF-1644	16/44	26/30	1.18"	803	3.5
AUF-1652	16/52	26/30	1.230"	949	3.5

**For greater detail of general requirements, applications, and construction specifications for flexible cords and cables, please refer to NEC Article 400 and associated articles.

Some configurations available in AUF jacket by special order only. Please contact us to check availability.



-50°C TO 105°C

°C (-50°C) TPE FT2 WATER-RESISTANT

ARCTIC ULTRAFLEX BLUE™



AUF-14/12



Arctic Ultraflex Blue® Cord (Flexible Control Cable)

Control Cable 14 – 10 AWG

Blue or black outer jacket

Part Number	Gauge/Number of Conductors	Stranding Quantity/AWG	Nominal OD Inches	WT/1000	AMPS**
AUF-145	14/5	41/30	.652"	219	12
AUF-146	14/6	41/30	.690"	255	12
AUF-147	14/7	41/30	.690"	269	12
AUF-148	14/8	41/30	.743"	302	10.5
AUF-1410	14/10	41/30	.858"	370	10.5
AUF-1412	14/12	41/30	.885"	418	7.5
AUF-1414	14/14	41/30	.926"	471	7.5
AUF-1416	14/16	41/30	1.007"	553	7.5
AUF-1418	14/18	41/30	1.070"	609	7.5
AUF-1420	14/20	41/30	1.107"	665	7.5
AUF-1424	14/24	41/30	1.252"	816	6.75
AUF-125	12/5	65/30	.710"	281	16
AUF-126	12/6	65/30	.745"	325	16
AUF-127	12/7	65/30	.745"	346	16
AUF-128	12/8	65/30	.802"	384	14
AUF-1210	12/10	65/30	.930"	519	14
AUF-1212	12/12	65/30	.990"	575	10
AUF-1214	12/14	65/30	1.036"	643	10
AUF-1216	12/16	65/30	1.087"	707	10
AUF-1218	12/18	65/30	1.15"	800	10
AUF-1220	12/20	65/30	1.202"	868	10
AUF-105	10/5	104/30	.771"	367	20
AUF-106	10/6	104/30	.820"	431	20
AUF-107	10/7	104/30	.845"	471	20
AUF-108	10/8	104/30	.885"	523	17.5
AUF-1010	10/10	104/30	1.02"	667	17.5
AUF-1012	10/12	104/30	1.110"	800	12.5
AUF-1016	10/16	104/30	1.220"	1067	12.5

**Ampacity based on NEC Table 400-5 (A)

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. The above information is subject to engineering changes. Cold temperature rating is -50°C.

Note: Not all conductors are available in-stock. Minimums may apply to non-stocked merchandise.

Jacket Color Blue

Conductors 18 through 10 AWG Stranded Bare Copper

Typical Legend Arctic Ultraflex Blue® E224869
 10-7 SEOOV (UL) 600V 105°C (-50°C)
 P-241-3-MSHA CSA LL39753 10-7 STW (TPE)
 105°C (-50°C) TPE FT2 WATER RESISTANT

Control Cable Color Codes

Number of Conductors	Conductor Color	First Tracer Color	Second Tracer Color
1	● Black	-	-
2	○ White	-	-
3*	● Red	-	-
4	● Green	-	-
5	● Orange	-	-
6	● Blue	-	-
7	○ White	● Black	-
8	● Red	● Black	-
9	● Green	● Black	-
10	● Orange	● Black	-
11	● Blue	● Black	-
12	● Black	○ White	-
13	● Red	○ White	-
14	● Green	○ White	-
15	● Blue	○ White	-
16	● Black	● Red	-
17	○ White	● Red	-
18	● Orange	● Red	-
19	● Blue	● Red	-
20	● Red	● Green	-
21	● Orange	● Green	-
22	● Black	○ White	● Red
23	○ White	● Black	● Red
24	● Red	● Black	○ White
25	● Green	● Black	○ White
26	● Orange	● Black	○ White
27	● Blue	● Black	○ White
28	● Black	● Red	● Green
29	○ White	● Red	● Green
30	● Red	● Black	● Green
31	● Green	● Black	● Green
32	● Orange	● Black	● Green
33	● Blue	○ White	● Orange
34	● Black	○ White	● Orange
35	○ White	● Red	● Orange
36	● Orange	○ White	● Blue
37	○ White	● Red	● Blue
38	● Black	○ White	● Green
39	○ White	● Black	● Green
40	● Red	○ White	● Green
41	● Green	○ White	● Blue
42	● Orange	● Red	● Green
43	● Blue	● Red	● Green
44	● Black	○ White	● Blue
45	○ White	● Black	● Blue
46	● Red	○ White	● Blue
47	● Green	● Orange	● Red
48	● Orange	● Red	● Blue
49	● Blue	● Red	● Orange
50	● Black	● Orange	● Red
51	○ White	● Black	● Orange
52	● Red	● Orange	● Black

*3-conductor cable colors are black, white, and green.
 NEMA K-1 Color Code



AUF-14/12