

## Primary Wire Type GPT/PVC

- 100% Copper wire for maximum conductivity
- Constructed from finely stranded copper and coated with a flexible PVC insulation
- Sold in spools of 100' (30.5m)
- For use in 50 volts or less
- PVC insulation resists abrasion, fuel, oil, acid, and salt
- Recommended temperature range 40°F to +176°F (-40°C to +80°C)
- For use whenever SAE J-1128 specifies general circuit wiring
- Fine stranded copper conductor for maximum conductivity and flexibility



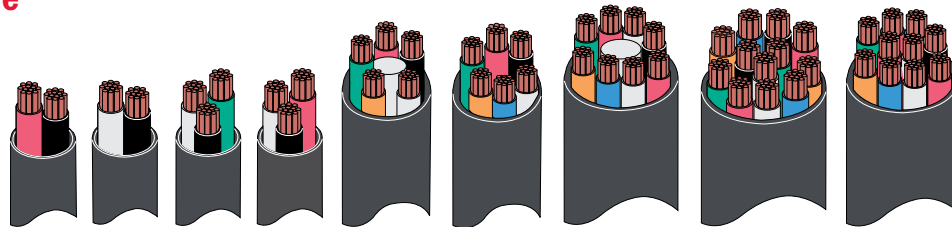
| AWG | WIRE COLOR    | PART #     |
|-----|---------------|------------|
| 10  | ● Black wire  | SY10GA-BLK |
|     | ● Blue wire   | SY10GA-BLU |
|     | ● Brown wire  | SY10GA-BRN |
|     | ● Green wire  | SY10GA-GRN |
|     | ● Orange wire | SY10GA-ORG |
|     | ● Red wire    | SY10GA-RED |
|     | ○ White wire  | SY10GA-WHT |
|     | ● Yellow wire | SY10GA-YLW |
| 12  | ● Black wire  | SY12GA-BLK |
|     | ● Blue wire   | SY12GA-BLU |
|     | ● Brown wire  | SY12GA-BRN |
|     | ● Green wire  | SY12GA-GRN |
|     | ● Orange wire | SY12GA-ORG |
|     | ● Red wire    | SY12GA-RED |
|     | ○ White wire  | SY12GA-WHT |
|     | ● Yellow wire | SY12GA-YLW |

| AWG | WIRE COLOR    | PART #     |
|-----|---------------|------------|
| 14  | ● Black wire  | SY14GA-BLK |
|     | ● Blue wire   | SY14GA-BLU |
|     | ● Brown wire  | SY14GA-BRN |
|     | ● Green wire  | SY14GA-GRN |
|     | ● Orange wire | SY14GA-ORG |
|     | ● Red wire    | SY14GA-RED |
|     | ○ White wire  | SY14GA-WHT |
|     | ● Yellow wire | SY14GA-YLW |
| 16  | ● Black wire  | SY16GA-BLK |
|     | ● Blue wire   | SY16GA-BLU |
|     | ● Brown wire  | SY16GA-BRN |
|     | ● Green wire  | SY16GA-GRN |
|     | ● Orange wire | SY16GA-ORG |
|     | ● Red wire    | SY16GA-RED |
|     | ○ White wire  | SY16GA-WHT |
|     | ● Yellow wire | SY16GA-YLW |

| AWG | WIRE COLOR    | PART #     |
|-----|---------------|------------|
| 18  | ● Black wire  | SY18GA-BLK |
|     | ● Blue wire   | SY18GA-BLU |
|     | ● Brown wire  | SY18GA-BRN |
|     | ● Green wire  | SY18GA-GRN |
|     | ● Orange wire | SY18GA-ORG |
|     | ● Red wire    | SY18GA-RED |
|     | ○ White wire  | SY18GA-WHT |
|     | ● Yellow wire | SY18GA-YLW |

## Conductor Cable

- Sold per foot



| PART #  | CONDUCTORS | AWG |
|---------|------------|-----|
| SY58559 | 2          | 16  |
| SY95622 | 2          | 16  |
| SY41421 | 2          | 18  |
| SY95631 | 2          | 18  |
| SY95615 | 3          | 12  |
| SY95617 | 3          | 14  |
| SY95618 | 3          | 14  |
| SY1603  | 3          | 16  |
| SY95624 | 3          | 16  |
| SY43530 | 3          | 18  |
| SY58561 | 3          | 18  |
| SY88522 | 3          | 18  |
| SY88523 | 3          | 18  |
| SY95632 | 3          | 18  |

| PART #         | CONDUCTORS | AWG |
|----------------|------------|-----|
| SY109710       | 4          | 12  |
| SY95619        | 4          | 14  |
| SY95620        | 4          | 16  |
| SY95625        | 4          | 16  |
| SY95626        | 4          | 16  |
| SY95634        | 4          | 18  |
| SY43528        | 5          | 18  |
| SY95627        | 6          | 16  |
| SY58564        | 6          | 18  |
| SY95616        | 8          | 12  |
| SY1222172      | 8          | 14  |
| SY88270        | 8          | 18  |
| SY88270-ARCTIC | 8          | 18  |
| SY95635        | 8          | 18  |

| PART #    | CONDUCTORS | AWG   |
|-----------|------------|-------|
| SY58565   | 10         | 16    |
| SY1222213 | 12         | 14    |
| SY58563   | 12         | 16    |
| SY1222243 | 12         | 16    |
| SY95628   | 12         | 18    |
| SY95633   | 14         | 18    |
| SY95629   | 19         | 18    |
| SY95630   | 19         | 18    |
| SY95621   | 20         | 16    |
| SY1222161 | 30         | 16    |
| SY95637   | 4/8        | 12/18 |
| SY95638   | 5/4        | 18/20 |

## Premier Arctic Grade Wire - ARCTIC ULTRAFLEX BLUE™

ARCTIC ULTRAFLEX BLUE™ is the premier Arctic Grade Wire rated and proven to work in extreme temperature ranges of -55°C to 105°C. This highly flexible wire combines finely stranded copper construction with a jacket material that resists the abuses of oil, gasoline, sunlight, salt water, acids, and chemicals.

ARCTIC ULTRAFLEX BLUE™ has high abrasion resistance and can be used in most 600 VOLT applications. UL listed as AWM (Appliance Wiring Material).

Arctic Ultraflex Blue™ is available in a multitude of primary colors, gauges, and configurations.

Arctic Ultraflex Blue™ Has numerous applications, including those approved under NEC article 400 and associated articles.

### Applications

- UL 508A industrial control panels
- Machine tool wiring
- Internal wiring of applications and equipment
- Inverter cables and wiring
- Load banks
- Motor lead
- Welding cable
- Marine, RV and automotive wiring
- Batteries and chargers
- Power hookup cable



### INSULATION PROPERTIES

| PROPERTIES                                                                        | TEST METHOD  | PERFORMANCE  |
|-----------------------------------------------------------------------------------|--------------|--------------|
| Specific Gravity (±.02)                                                           | ASTM D-792   | 1.30         |
| Durometer Shore "A" (±.02) INST./15seconds                                        | ASTM D-2240  | 77/65        |
| Tensile strength (60 mil)                                                         | ASTM D-412   | 2000         |
| Elongation (%)                                                                    |              | 300          |
| Brittle point (C)                                                                 | ASTM D-746   | -55°C        |
| Oxygen Index %                                                                    | ASTM D-2863  | 25.0         |
| Oil aged 18 hours @ 121°C<br>% Retention of tensiles<br>% Retention of elongation | UL Standard  | 129%<br>72%  |
| Air aged 7 days @ 136°C<br>% Retention of tensiles<br>% Retention of elongation   | ASTM D412-80 | 109%<br>100% |
| Oil aged 7 days @ 60°C<br>% Retention of tensiles<br>% Retention of elongation    |              | 124%<br>89%  |
| VW-1 Flame Test                                                                   | UL Standard  | Pass         |
| Product cold bend test                                                            |              | Pass         |
| Voltage rating                                                                    |              | 600          |

### CLASS K COPPER STRANDED CONSTRUCTION SPECIFICATIONS

| SIZE AWG | CLASS K<br>COPPER STRANDING* | CONDUCTOR OD<br>INCHES | INSULATION<br>THICKNES<br>INCHES | FINISHED<br>OD INCHES | FINISHED<br>WEIGHT<br>LBS/MFT | OHMS<br>RESISTANCE/MFT | AMPACITY<br>30°C (86°F)<br>AMBIENT | AMPACITY<br>40°C (104°F)<br>AMBIENT |
|----------|------------------------------|------------------------|----------------------------------|-----------------------|-------------------------------|------------------------|------------------------------------|-------------------------------------|
| 18       | (16/30) TC                   | .045                   | .030                             | .105                  | 10                            | 6.740                  | n/a                                | n/a                                 |
| 16       | (26/30) TC                   | .058                   |                                  | .118                  | 14                            | 4.000                  | 26                                 | 24                                  |
| 14       | (41/30) TC                   | .070                   |                                  | .130                  | 19                            | 2.660                  | 38                                 | 36                                  |
| 12       | (65/30) TC                   | .089                   |                                  | .149                  | 31                            | 1.680                  | 44                                 | 41                                  |
| 10       | (105/30) TC                  | .114                   |                                  | .174                  | 42                            | 0.980                  | 60                                 | 56                                  |
| 8        | (168/30) BC                  | .144                   | .045                             | .234                  | 70                            | 0.660                  | 85                                 | 81                                  |
| 6        | (266/30) BC                  | .204                   | .060                             | .324                  | 112                           | 0.417                  | 115                                | 106                                 |
| 4        | (420/30) BC                  | .257                   |                                  | .377                  | 167                           | 0.264                  | 150                                | 142                                 |
| 2        | (665/30) BC                  | .338                   |                                  | .458                  | 253                           | 0.167                  | 205                                | 193                                 |
| 1        | (836/30) BC                  | .365                   |                                  | .525                  | 323                           | 0.133                  | 240                                | 223                                 |
| 1/0      | (1064/30) BC                 | .451                   |                                  | .611                  | 397                           | 0.105                  | 285                                | 264                                 |
| 2/0      | (1330/30) BC                 | .496                   | .080                             | .656                  | 401                           | 0.084                  | 325                                | 304                                 |
| 3/0      | (1666/30) BC                 | .533                   | .095                             | .693                  | 608                           | 0.067                  | 380                                | 355                                 |
| 4/0      | (2107/30) BC                 | .670                   |                                  | .830                  | 753                           | 0.053                  | 440                                | 411                                 |
| 250 MCM  | (2527/30) BC                 | .716                   |                                  | .906                  | 970                           | n/a                    | 495                                | 461                                 |
| 350 MCM  | (3458/30) BC                 | .826                   |                                  | 1.016                 | 1140                          |                        | 620                                | 512                                 |
| 500 MCM  | (5054/30) BC                 | .988                   | 1.208                            | 1930                  | 760                           |                        | 710                                |                                     |

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## Premier Arctic Grade Wire - ARCTIC ULTRAFLEX BLUE™

### Single Conductor Wire 10-18AWG

| AWG | STOCKED WIRE COLOR | PART #<br>500' SPOOL | PART #<br>100' SPOOL |
|-----|--------------------|----------------------|----------------------|
| 18  | ● Black            | SYAB18GA-BLK-500     | SYAB18GA-BLK-100     |
|     | ● Blue             | SYAB18GA-BLU-500     | SYAB18GA-BLU-100     |
|     | ● Brown            | SYAB18GA-BRN-500     | SYAB18GA-BRN-100     |
|     | ● Green            | SYAB18GA-GRN-500     | SYAB18GA-GRN-100     |
|     | ● Gray             | SYAB18GA-GRY-500     | SYAB18GA-GRY-100     |
|     | ● Orange           | SYAB18GA-ORG-500     | SYAB18GA-ORG-100     |
|     | ● Red              | SYAB18GA-RED-500     | SYAB18GA-RED-100     |
|     | ○ White            | SYAB18GA-WHT-500     | SYAB18GA-WHT-100     |
|     | ● Yellow           | SYAB18GA-YEL-500     | SYAB18GA-YEL-100     |
| 16  | ● Black            | SYAB16GA-BLK-500     | SYAB16GA-BLK-100     |
|     | ● Blue             | SYAB16GA-BLU-500     | SYAB16GA-BLU-100     |
|     | ● Brown            | SYAB16GA-BRN-500     | SYAB16GA-BRN-100     |
|     | ● Green            | SYAB16GA-GRN-500     | SYAB16GA-GRN-100     |
|     | ● Gray             | SYAB16GA-GRY-500     | SYAB16GA-GRY-100     |
|     | ● Orange           | SYAB16GA-ORG-500     | SYAB16GA-ORG-100     |
|     | ● Red              | SYAB16GA-RED-500     | SYAB16GA-RED-100     |
|     | ○ White            | SYAB16GA-WHT-500     | SYAB16GA-WHT-100     |
|     | ● Yellow           | SYAB16GA-YEL-500     | SYAB16GA-YEL-100     |
| 14  | ● Black            | SYAB14GA-BLK-500     | SYAB14GA-BLK-100     |
|     | ● Blue             | SYAB14GA-BLU-500     | SYAB14GA-BLU-100     |
|     | ● Brown            | SYAB14GA-BRN-500     | SYAB14GA-BRN-100     |
|     | ● Green            | SYAB14GA-GRN-500     | SYAB14GA-GRN-100     |
|     | ● Gray             | SYAB14GA-GRY-500     | SYAB14GA-GRY-100     |
|     | ● Orange           | SYAB14GA-ORG-500     | SYAB14GA-ORG-100     |
|     | ● Purple           | SYAB14GA-PUR-500     | SYAB14GA-PUR-100     |
|     | ● Red              | SYAB14GA-RED-500     | SYAB14GA-RED-100     |
|     | ○ White            | SYAB14GA-WHT-500     | SYAB14GA-WHT-100     |
|     | ● Yellow           | SYAB14GA-YEL-500     | SYAB14GA-YEL-100     |
| 12  | ● Black            | SYAB12GA-BLK-500     | SYAB12GA-BLK-100     |
|     | ● Blue             | SYAB12GA-BLU-500     | SYAB12GA-BLU-100     |
|     | ● Brown            | SYAB12GA-BRN-500     | SYAB12GA-BRN-100     |
|     | ● Green            | SYAB12GA-GRN-500     | SYAB12GA-GRN-100     |
|     | ● Gray             | SYAB12GA-GRY-500     | SYAB12GA-GRY-100     |
|     | ● Orange           | SYAB12GA-ORG-500     | SYAB12GA-ORG-100     |
|     | ● Purple           | SYAB12GA-PUR-500     | SYAB12GA-PUR-100     |
|     | ● Red              | SYAB12GA-RED-500     | SYAB12GA-RED-100     |
|     | ○ White            | SYAB12GA-WHT-500     | SYAB12GA-WHT-100     |
|     |                    | ● Yellow             | SYAB12GA-YLW-500     |
| 10  | ● Black            | SYAB10GA-BLK-500     | SYAB10GA-BLK-100     |
|     | ● Blue             | SYAB10GA-BLU-500     | SYAB10GA-BLU-100     |
|     | ● Brown            | SYAB10GA-BRN-500     | SYAB10GA-BRN-100     |
|     | ● Green            | SYAB10GA-GRN-500     | SYAB10GA-GRN-100     |
|     | ● Gray             | SYAB10GA-GRY-500     | SYAB10GA-GRY-100     |
|     | ● Orange           | SYAB10GA-ORG-500     | SYAB10GA-ORG-100     |
|     | ● Red              | SYAB10GA-RED-500     | SYAB10GA-RED-100     |
|     | ○ White            | SYAB10GA-WHT-500     | SYAB10GA-WHT-100     |
|     |                    | ● Yellow             | SYAB10GA-YLW-500     |

- Finely Stranded Class "K" Tinned Copper
- Works in extreme temperature ranges of -55°C to 105°C
- Bulk quantities available



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# Wire & Cable

## Premier Arctic Grade Wire - ARCTIC ULTRAFLEX BLUE™

### Single Conductor Wire 8AWG - 4/0AWG

AWM 8 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

8 AWG

AWM 8 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

8 AWG

AWM 6 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

6 AWG

AWM 6 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

6 AWG

AWM 4 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

4 AWG

AWM 4 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

4 AWG

AWM 2 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

2 AWG

AWM 1/0 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

1/0 AWG

AWM 2/0 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

2/0 AWG

AWM 4/0 AWG OIL RESISTANT 600V VW-1 ... ARCTIC ULTRAFLEX BLUE™ -55°C TO 105°C ... CSA 234608 TEW 105°C 600V FT1

4/0 AWG

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## Premier Arctic Grade Wire - ARCTIC ULTRAFLEX BLUE™

### Single Conductor Wire 8AWG - 4/OAWG WIRE COLORS (Sold by 1' Increments)

| AWG    | WIRE COLOR            | PART #         |
|--------|-----------------------|----------------|
| 8      | ● Black               | SYAB8GA-BLK    |
|        | ● Blue                | SYAB8GA-BLU    |
|        | ● Red                 | SYAB8GA-RED    |
|        | ○ White               | SYAB8GA-WHT    |
|        | ● Green               | SYAB8GA-GRN    |
| 6      | ● Black               | SYAB6GA-BLK    |
|        | ● Blue                | SYAB6GA-BLU    |
|        | ● Red                 | SYAB6GA-RED    |
|        | ○ White               | SYAB6GA-WHT    |
|        | ● Green               | SYAB6GA-GRN    |
|        | ● Green/Orange stripe | SYAUF-6GRN/ORG |
| 4      | ● Blue/Yellow stripe  | SYAUF-6GRN/YEL |
|        | ● Black               | SYAB4GA-BLK    |
|        | ● Blue                | SYAB4GA-BLU    |
|        | ● Red                 | SYAB4GA-RED    |
|        | ○ White               | SYAB4GA-WHT    |
|        | ● Green               | SYAB4GA-GRN    |
| 2      | ● Green/Yellow stripe | SYAUF-4GRN/YEL |
|        | ● Black               | SYAB2GA-BLK    |
|        | ● Blue                | SYAB2GA-BLU    |
|        | ● Red                 | SYAB2GA-RED    |
|        | ○ White               | SYAB2GA-WHT    |
|        | ● Green               | SYAB2GA-GRN    |
| 1      | ● Green/Orange stripe | SYAUF-2GRN/ORG |
|        | ● Green/Yellow stripe | SYAUF-2GRN/YEL |
|        | ● Black               | SYAB1GA-BLK    |
|        | ● Blue*               | SYAB1GA-BLU    |
|        | ● Red                 | SYAB1GA-RED    |
|        | 1/0                   | ● Black        |
| ● Blue |                       | SYAB1/0-BLU    |
| ● Red  |                       | SYAB1/0-RED    |
| 2/0    | ● Black               | SYAB2/0-BLK    |
|        | ● Blue                | SYAB2/0-BLU    |
|        | ● Red                 | SYAB2/0-RED    |
| 3/0    | ● Black               | SYAB3/0-BLK    |
|        | ● Blue*               | SYAB3/0-BLU    |
|        | ● Red                 | SYAB3/0-RED    |
| 4/0    | ● Black               | SYAB4/0-BLK    |
|        | ● Blue                | SYAB4/0-BLU    |
|        | ● Red                 | SYAB4/0-RED    |

\* Special order only

### WORKING WITH THE CODE

UL 508A Industrial Control Panels paragraph 29.2.1 dictates what conductors may be used for connection of industrial control panels:

....All internal wiring of power circuits shall have a temperature rating of 90°C (194°F) minimum and shall be one of the following:

a) Machine tool wire (MTW) that complies with the Standard Machine Tool Wire and Cable, UL 1063, flexing of Class K type machine tool wires and cables shall be installed in accordance with 29.3.11

**Polar Wire provides MTW conductors. Note the special requirements for the fine stranded conductors (Flexing or Class K).**

b) Thermoset insulated wire that complies with the Standard for Thermoset-Insulated wire and cables, UL 44

c) Thermoset insulated wire that complies with the Standard for Thermoset-Insulated wire and cables, UL 83

d) Appliance wire material (AWM) that complies with the Standard for Appliance Wiring Material, UL 758; or

**Polar Wire provides AWM conductors.**

e) Welding Cable installed in accordance with 29.3.11

**Polar Wire provides Welding Cable. Welding cable is defined by ICEA and usually listed and marked as RHW. Welding cable listed as RHW is commonly used as connections between battery terminals, battery chargers, and uninterpretable power systems (UPS).**

**Custom colors and striping available upon request. Minimums may apply.**

**Polar Wire Standard**

### WIRE STRANDING COMPARISON CHART

| CLASS B     |       | CLASS C     |       | CLASS G     |       | CLASS H     |       | CLASS I      |       | CLASS K      |       | CLASS M       |       | LOCOMOTIVE CABLE |       |
|-------------|-------|-------------|-------|-------------|-------|-------------|-------|--------------|-------|--------------|-------|---------------|-------|------------------|-------|
| Stranding   | OD    | Stranding   | OD    | Stranding   | OD    | Stranding   | OD    | Stranding    | OD    | Stranding    | OD    | Stranding     | OD    | Stranding        | OD    |
| 2/0/19      | .4205 | 2/0/19      | .3750 | 1/0/133     | .3750 | 1/0/259     | .4240 | N/A          | -     | N/A          | -     | 1/0/2646      | .4310 | 1/0/275          | .4200 |
| 3/0/19      | .4700 | 3/0/19      | .4700 | 2/0/133     | .4700 | 2/0/259     | .4770 | 1/0/266      | .4320 | 1/0/1064     | .4100 | N/A           | -     | 2/0/325          | .4600 |
| 4/0/19      | .5280 | 4/0/19      | .5300 | 3/0/133     | .5300 | 3/0/259     | .5330 | 2/0/342      | .4700 | 2/0/1323     | .5200 | 2/0/3325      | .4600 | N/A              | -     |
| 200 MCM/37  | .5720 | 200 MCM/37  | .5760 | N/A         | .5760 | N/A         | -     | 3/0/418      | .5450 | 3/0/1666     | .5420 | 3/0/4256      | .5750 | 3/0/450          | .5650 |
| 300 MCM/37  | .7400 | 300 MCM/37  | .6309 | 4/0/133     | .6309 | 4/0/259     | .5900 | 4/0/980      | .5900 | N/A          | -     | N/A           | -     | N/A              | -     |
| 350 MCM/37  | .6850 | 350 MCM/37  | .6813 | 250 MCM/259 | .6813 | 250 MCM/427 | .6530 | 250 MCM/637  | .6800 | 4/0/2107     | .6300 | 4/0/5320      | .6450 | 262.6 MCM/650    | .6500 |
| 400 MCM/37  | .8250 | 400 MCM/37  | .7290 | 300 MCM/259 | .7290 | 300 MCM/427 | .7160 | 300 MCM/735  | .7218 | 250 MCM/2499 | .6820 | 250 MCM/637   | .6480 | 313.7 MCM/775    | .7100 |
| 500 MCM/37  | .8100 | 500 MCM/37  | .8145 | 350 MCM/259 | .8145 | 350 MCM/427 | .7720 | 350 MCM/882  | .8830 | 300 MCM/2989 | .770  | 300 MCM/7581  | .8108 | N/A              | -     |
| N/A         | -     | N/A         | -     | 400 MCM/259 | -     | 400 MCM/427 | .8260 | 400 MCM/980  | .8380 | 350 MCM/3458 | .8450 | 350 MCM/8806  | .8822 | 373.7 MCM/925    | 1.140 |
| 600 MCM/61  | .8930 | 600 MCM/61  | .8932 | N/A         | .8932 | N/A         | -     | N/A          | -     | N/A          | -     | N/A           | -     | 444 MCM/1100     | 1.230 |
| 700 MCM/61  | .9640 | 700 MCM/61  | .9647 | 500 MCM/259 | .9647 | 500 MCM/427 | .9230 | 500 MCM/1225 | .9400 | 450 MCM/4522 | 1.008 | 450 MCM/11396 | .9400 | 535.3 MCM/1325   | 1.320 |
| 750 MCM/61  | .9980 | 750 MCM/61  | .9988 | 550 MCM/427 | .9988 | 550 MCM/703 | -     | 550 MCM/1372 | .9910 | 500 MCM/5054 | 1.022 | 500 MCM/12691 | .9970 | N/A              | -     |
| N/A         | -     | N/A         | -     | 600 MCM/427 | -     | 600 MCM/703 | 1.022 | 600 MCM/1470 | 1.101 | 550 MCM/5453 | 1.099 | 550 MCM/13664 | 1.198 | 646.4 MCM/1600   | 1.450 |
| 1000 MCM/61 | 1.160 | 1000 MCM/61 | 1.208 | 750 MCM/427 | 1.208 | 750 MCM/703 | 1.320 | 650 MCM/1596 | 1.089 | 600 MCM/5985 | 1.160 | 600 MCM/14945 | 1.280 | N/A              | -     |
| N/A         | -     | N/A         | -     | N/A         | -     | N/A         | -     | 750 MCM/1862 | 1.297 | N/A          | -     | 750 MCM/18788 | 1.487 | 777.7 MCM/1925   | 1.540 |
| N/A         | -     | N/A         | -     | N/A         | -     | N/A         | -     | N/A          | -     | N/A          | -     | N/A           | -     | 1111.1 MCM/2745  | 1.340 |

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## Power Cord (-50°C to 105°C)

### ARCTIC ULTRAFLEX BLUE™



### 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 SJTOOW (TPE) -50°C to 105°C
- MSHA approval for flame resistance and mining applications



### Power Cord 18-10AWG (Sold by 1' increments)

| PART #    | GAUGE/# OF CONDUCTORS | STRANDING QUANTITY/AWG | NOM OD | WT/ 1000 | AMPS* |
|-----------|-----------------------|------------------------|--------|----------|-------|
| SYAUF-182 | 18/2                  | 16/30                  | .345"  | 59       | 10    |
| SYAUF-183 | 18/3                  |                        | .365"  | 69       |       |
| SYAUF-184 | 18/4                  |                        | .395"  | 81       | 7     |
| SYAUF-185 | 18/5                  |                        | .465"  | 108      | 5.6   |
| SYAUF-162 | 16/2                  | 26/30                  | .370"  | 71       | 13    |
| SYAUF-163 | 16/3                  |                        | .390"  | 81       |       |
| SYAUF-164 | 16/4                  |                        | .420"  | 99       | 10    |
| SYAUF-142 | 14/2                  | 41/30                  | .505"  | 126      | 18    |
| SYAUF-143 | 14/3                  |                        | .525"  | 149      |       |
| SYAUF-144 | 14/4                  |                        | .575"  | 183      | 15    |
| SYAUF-122 | 12/2                  | 65/30                  | .570"  | 163      | 25    |
| SYAUF-123 | 12/3                  |                        | .595"  | 199      |       |
| SYAUF-124 | 12/4                  |                        | .645"  | 242      | 20    |
| SYAUF-125 | 12/5                  |                        | .710"  | 281      | 16    |
| SYAUF-102 | 10/2                  | 104/30                 | .662"  | 207      | 30    |
| SYAUF-103 | 10/3                  |                        | .655"  | 259      |       |
| SYAUF-104 | 10/4                  |                        | .705"  | 316      | 25    |
| SYAUF-105 | 10/5                  |                        | .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 ratings is -50°C.

**Jacket Color** Blue or black

**Conductors** 18 through 10 AWG Stranded Bare Copper

**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.

**Legend** ARCTIC ULTRAFLEX BLUE™ E224869 12AWG

(3.30mm<sup>2</sup>) 3/C SE00W (UL) 600V -50°C to 105°C CSA ST00W (TPE) -50°C to 105°C FT2 Water Resistant P-241-3-MSHA

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## Extreme Power Cord (-70°C to 105°C)

### ARCTIC ULTRAFLEX BLUE™

#### Extreme Power Cord 8-2AWG (Sold by 1' increments)

| PART #                                             | GAUGE/# OF CONDUCTORS | STRANDING QUANTITY/AWG | NOM OD | WT/ 1000 | AMPS* |
|----------------------------------------------------|-----------------------|------------------------|--------|----------|-------|
| Contact SSI<br>Customer<br>Service for<br>Part #'s | 8/3                   | 96/28                  | .700"  | 332      | 40    |
|                                                    | 8/4                   |                        | .783"  | 425      | 35    |
|                                                    | 8/5                   |                        | .850"  | 509      | 28    |
|                                                    | 6/3                   | 96/26                  | .818"  | 473      | 55    |
|                                                    | 6/4                   |                        | .892"  | 594      | 45    |
|                                                    | 6/5                   |                        | .992"  | 744      | 36    |
|                                                    | 4/2                   | 96/24                  | .911"  | 484      | 70    |
|                                                    | 4/4                   |                        | 1.014" | 886      | 60    |
|                                                    | 4/5                   |                        | 1.203" | 1134     | 48    |
|                                                    | 2/3                   | 7x7/.0223              | 1.158" | 1074     | 95    |
|                                                    | 2/4                   |                        | 1.267" | 1332     | 80    |
|                                                    | 2/5                   |                        | 1.389" | 1538     | 64    |

\*Ampacity based on NEC Table 400-5 (B) for sizes 18/2 through 2/5

**NOTE:** 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 ratings is -70°C.

**Jacket Color** Light blue or black

**Conductors** 8 through 2 AWG Stranded Bare Copper

**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.

**Legend** ARCTIC ULTRAFLEX BLUE™ 4-4 SE00W

600V 105°C (-70°C) WATER-RESISTANT P-241-3-MSHA

#### Features

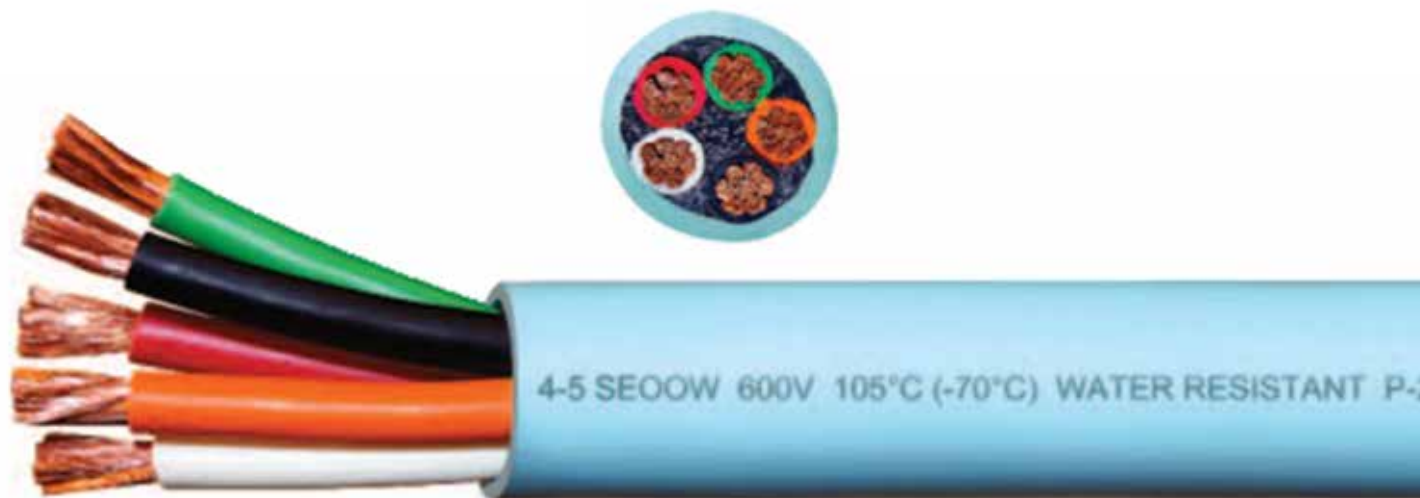
- Flexible, tough jacket
- Works under temperature extremes of -70°C to 105°C
- Color coded conductors for easy identification
- Excellent abrasion and cut resistance
- Ozone, sunlight, and water resistant with high dielectric insulation
- Water and mold resistant non-wicking polypropylene fillers
- Lightweight, long lasting, easy to carry and handle
- All components are recyclable and non-hazardous for environmental landfill disposal

#### Applications

- 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 and equipment
- 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
- Manufactured to UL SE00W 600V and CSA Certified ST00W (TPE) Standards
- MSHA approval for flame resistance and mining applications



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## Control Cable 18-16AWG ARCTIC ULTRAFLEX BLUE™

### 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, chemical, water, and ozone solvents
- 105°C rating provides maximum ampacity
- All components are recyclable and non-hazardous for landfill disposal
- Easy to handle and carry
- Environmentally safe

### Applications

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

### Industry Approvals

- UL listed SEOW cord, MSHA approved for flame Resistance and mining applications
- CSA certified STW (TPE) -50°C to 105°C
- Meets Federal Specification JC-580B



AUF-1412

| PART #                                             | GAUGE/# OF CONDUCTORS | STRANDING QUANTITY/ AWG | NOM OD | WT/ 1000 | AMPS* |
|----------------------------------------------------|-----------------------|-------------------------|--------|----------|-------|
| Contact SSI<br>Customer<br>Service for<br>Part #'s | 18/5                  | 16/30                   | .465"  | 108      | 5.6   |
|                                                    | 18/6                  |                         | .484"  | 126      |       |
|                                                    | 18/7                  |                         | .517"  | 143      |       |
|                                                    | 18/8                  |                         | .592"  | 171      | 4.9   |
|                                                    | 18/10                 |                         | .610"  | 193      |       |
|                                                    | 18/12                 |                         | .636"  | 219      | 3.5   |
|                                                    | 18/14                 |                         | .695"  | 256      |       |
|                                                    | 18/16                 |                         | .735"  | 288      |       |
|                                                    | 18/18                 |                         | .763"  | 320      |       |
|                                                    | 18/20                 |                         | .800"  | 340      | 3.15  |
|                                                    | 18/22                 | .838"                   | 359    |          |       |
|                                                    | 18/24                 | .848"                   | 389    |          |       |
|                                                    | 18/26                 | .860"                   | 404    |          |       |
|                                                    | 18/27                 | .897"                   | 429    | 2.8      |       |
|                                                    | 18/30                 | .976"                   | 513    |          |       |
|                                                    | 18/36                 | 1.025"                  | 583    | 2.45     |       |
|                                                    | 18/39                 | 1.100"                  | 658    |          |       |
|                                                    | 18/44                 | 1.130"                  | 728    | 16/30    |       |
|                                                    | 18/52                 | .495"                   | 135    |          | 8     |
|                                                    | 16/5                  | .530"                   | 151    |          |       |
| 16/6                                               | .530"                 | 159                     |        |          |       |
| 16/7                                               | .560"                 | 180                     | 7      |          |       |
| 16/8                                               | .634"                 | 217                     |        |          |       |
| 16/10                                              | .690"                 | 266                     | 5      |          |       |
| 16/12                                              | .720"                 | 293                     |        |          |       |
| 16/14                                              | .755"                 | 327                     |        |          |       |
| 16/16                                              | .805"                 | 358                     |        |          |       |
| 16/18                                              | .827"                 | 394                     | 4.5    |          |       |
| 16/20                                              | .865"                 | 412                     |        |          |       |
| 16/22                                              | .910"                 | 465                     |        |          |       |
| 16/24                                              | .925"                 | 480                     |        |          |       |
| 16/26                                              | .935"                 | 520                     | 4.0    |          |       |
| 16/27                                              | .990"                 | 576                     |        |          |       |
| 16/30                                              | 1.060"                | 667                     | 3.5    |          |       |
| 16/36                                              | 1.110"                | 723                     |        |          |       |
| 16/39                                              | 1.18"                 | 803                     | 3.5    |          |       |
| 16/44                                              | 1.230"                | 949                     |        |          |       |
| 16/52                                              |                       |                         |        |          |       |

\*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.**

**Jacket Color** Blue or black

**Conductors** 18 through 10 AWG Stranded Bare Copper

**Legend** ARCTIC ULTRAFLEX BLUE™ E224869 10-7 SEOW (UL) 600V 105°C (-50°C) P-241-3-MSHA CSA LL39753 10-7 STW (TPE) 105°C (-50°C) TPE FT2 WATER RESISTANT



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## Control Cable 14-10AWG

### ARCTIC ULTRAFLEX BLUE™

| PART #                                             | GAUGE/# OF CONDUCTORS | STRANDING QUANTITY/AWG | NOM OD | WT/ 1000 | AMPS* |
|----------------------------------------------------|-----------------------|------------------------|--------|----------|-------|
| Contact SSI<br>Customer<br>Service for<br>Part #'s | 14/5                  | 41/30                  | .652"  | 219      | 12    |
|                                                    | 14/6                  |                        | .690"  | 255      |       |
|                                                    | 14/7                  |                        |        | 269      |       |
|                                                    | 14/8                  |                        | .743"  | 302      | 10.5  |
|                                                    | 14/10                 |                        | .858"  | 370      |       |
|                                                    | 14/12                 |                        | .885"  | 418      |       |
|                                                    | 14/14                 |                        | .926"  | 471      |       |
|                                                    | 14/16                 |                        | 1.007" | 553      | 7.5   |
|                                                    | 14/18                 |                        | 1.070" | 609      |       |
|                                                    | 14/20                 |                        | 1.107" | 665      |       |
|                                                    | 14/24                 | 1.252"                 | 816    |          |       |
|                                                    | 12/5                  | 65/30                  | .710"  | 281      | 16    |
|                                                    | 12/6                  |                        | .745"  | 325      |       |
|                                                    | 12/7                  |                        |        | 346      |       |
|                                                    | 12/8                  |                        | .802"  | 384      | 14    |
|                                                    | 12/10                 |                        | .930"  | 519      |       |
|                                                    | 12/12                 |                        | .990"  | 575      | 10    |
|                                                    | 12/14                 |                        | 1.036" | 643      |       |
|                                                    | 12/16                 |                        | 1.087" | 707      |       |
|                                                    | 12/18                 |                        | 1.15"  | 800      |       |
|                                                    | 12/20                 |                        | 1.202" | 868      | 20    |
|                                                    | 10/5                  | 104/30                 | .771"  | 367      |       |
|                                                    | 10/6                  |                        | .820"  | 431      |       |
|                                                    | 10/7                  |                        | .845"  | 471      |       |
|                                                    | 10/8                  |                        | .885"  | 523      |       |
|                                                    | 10/10                 |                        | 1.02"  | 667      |       |
|                                                    | 10/12                 |                        | 1.110" | 800      |       |
|                                                    | 10/16                 | 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. This above information is subject to engineering changes. Cold temperature ratings is -50°C.

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

| # 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           |                    | -                   |
| 9               | ● Green         |                    | -                   |
| 10              | ● Orange        |                    | -                   |
| 11              | ● Blue          | ○ White            | -                   |
| 12              | ● Black         |                    | -                   |
| 13              | ● Red           |                    | -                   |
| 14              | ● Green         |                    | -                   |
| 15              | ● Blue          | ● Red              | -                   |
| 16              | ● Black         |                    | -                   |
| 17              | ○ White         |                    | -                   |
| 18              | ● Orange        |                    | -                   |
| 19              | ● Blue          | ● Green            | -                   |
| 20              | ● Red           |                    | -                   |
| 21              | ● Orange        | ○ White            | -                   |
| 22              | ● Black         |                    | ● Red               |
| 23              | ○ White         | ● Black            | ○ White             |
| 24              | ● Red           |                    | -                   |
| 25              | ● Green         |                    | -                   |
| 26              | ● Orange        |                    | -                   |
| 27              | ● Blue          | ● Red              | -                   |
| 28              | ● Black         |                    | -                   |
| 29              | ○ White         | ● Black            | ● Green             |
| 30              | ● Red           |                    | -                   |
| 31              | ● Green         |                    | -                   |
| 32              | ● Orange        | ○ White            | ● Orange            |
| 33              | ● Blue          |                    | -                   |
| 34              | ● Black         | ○ White            | ● Blue              |
| 35              | ○ White         |                    | ● Red               |
| 36              | ● Orange        | ○ White            | ● Green             |
| 37              | ○ White         | ● Red              |                     |
| 38              | ● Black         | ○ White            | ● Blue              |
| 39              | ○ White         | ● Black            |                     |
| 40              | ● Red           | ○ White            | ● Green             |
| 41              | ● Green         |                    | ● Blue              |
| 42              | ● Orange        | ● Red              | ● Green             |
| 43              | ● Blue          |                    | -                   |
| 44              | ● Black         | ○ White            | ● Blue              |
| 45              | ○ White         | ● Black            |                     |
| 46              | ● Red           | ○ White            | -                   |
| 47              | ● Green         | ● Orange           | ● Red               |
| 48              | ● Orange        | ● Red              | ● Blue              |
| 49              | ● Blue          |                    | ● Orange            |
| 50              | ● Black         | ● Orange           | ● Red               |
| 51              | ○ White         | ● Black            | ● Orange            |
| 52              | ● Red           | ● Orange           | ● Black             |

\*\* 3 conductor colors are Black, White and Green  
NEMA K-1 Color Code

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## Multi-Conductor Trailer Cable

### ARCTIC ULTRAFLEX BLUE™

**Grade Wire** is manufactured using *Arctic Grade* jacket material that is extremely flexible, lightweight, abrasion resistant and chemical, oil, gas and water resistant.

### ARCTIC ULTRAFLEX BLUE™

Performs in the extreme temperature range of -55° to 105°C.

### ARCTIC ULTRAFLEX BLUE™

Trailer Cable is rated for up to 600 Volts and is available with two or more conductors in sizes 18 AWG through 10 AWG.

### Features

- Finely stranded, flexible to -55°C
- 600 Volt rated
- Tinned copper construction
- Exceeds SAE standards
- Chemical, oil, gas, and water resistant
- Available by the foot

### Applications

- Trailer wiring
- Solar panel and tracker connections
- DC power needs
- Most renewable energy applications
- Robotic and equipment applications



## MULTI-CONDUCTOR TRAILER CABLE

| PART #         | # OF CONDUCTORS/GAUGE     | COLOR OF CONDUCTORS                              |
|----------------|---------------------------|--------------------------------------------------|
| SYAUF-TC1012-7 | Six 12 AWG,<br>One 10 AWG | Red, Yellow, Black,<br>Green, White, Brown, Blue |
| SYATF-1214-7   | Six 14 AWG,<br>One 12 AWG | Red, Yellow, Black,<br>Green, White, Brown, Blue |
| SYAUF-TC144    | Four 14 AWG               | Brown, White, Yellow, Green                      |

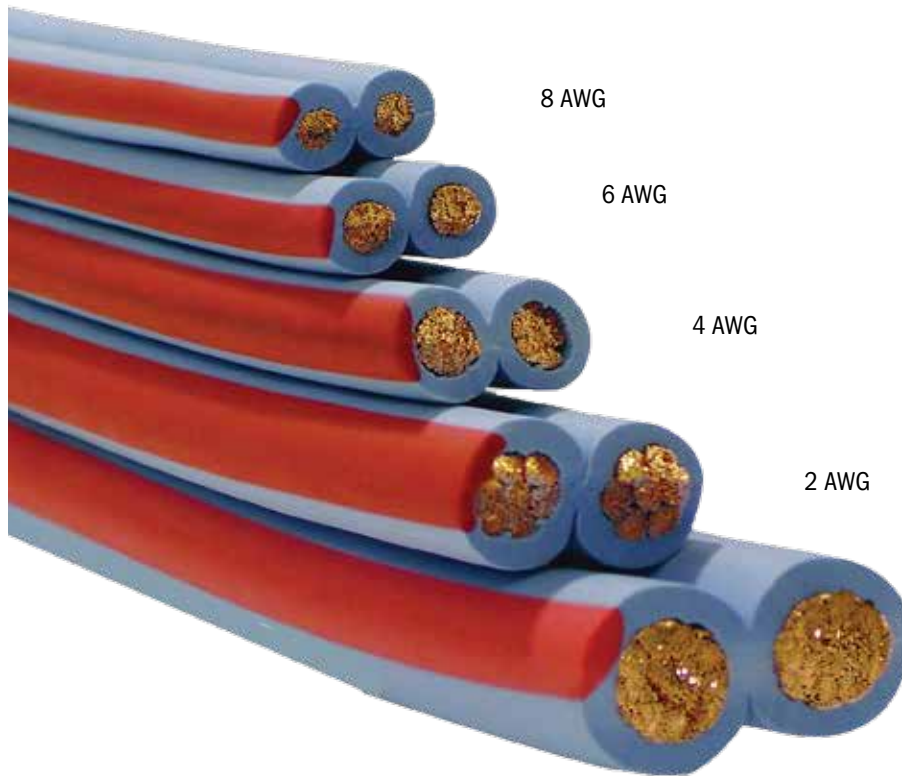
## TWIN TRAY/TRAILER CABLE

| PART #      | GAUGE |
|-------------|-------|
| SYAUF-TC182 | 18    |
| SYAUF-TC162 | 16    |
| SYAUF-TC142 | 14    |
| SYAUF-TC122 | 12    |
| SYAUF-TC102 | 10    |

**Custom configurations available**  
**Contact us for special orders and lead times**

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## Double Conductor Bulk Cable



### ARCTIC ULTRAFLEX BLUE™

| PART #    | AWG |
|-----------|-----|
| SYAB8-2   | 8   |
| SYAB6-2   | 6   |
| SYAB4-2   | 4   |
| SYAB2-2   | 2   |
| SYAB1/OX2 | 1/0 |

Polarity Stripe extruded into jacket

### Thermoplastic Elastomer Jacket

- Same jacket as ARCTIC ULTRAFLEX BLUE™
- Cold weather flexibility to -67°F (-55°C)
- High temperature performance of 221°F (105°C)
- **Chemical**, abrasion, and water resistant
- Parallel bonded construction
- Polarity stripe extruded into jacket
- Tangle resistant

### Copper Stranding

- Fine stranded, flexible copper construction for maximum conductivity
- Built to same UL/AWG specifications as ARCTIC ULTRAFLEX BLUE™
- Exceeds (SAE) standards

### Applications

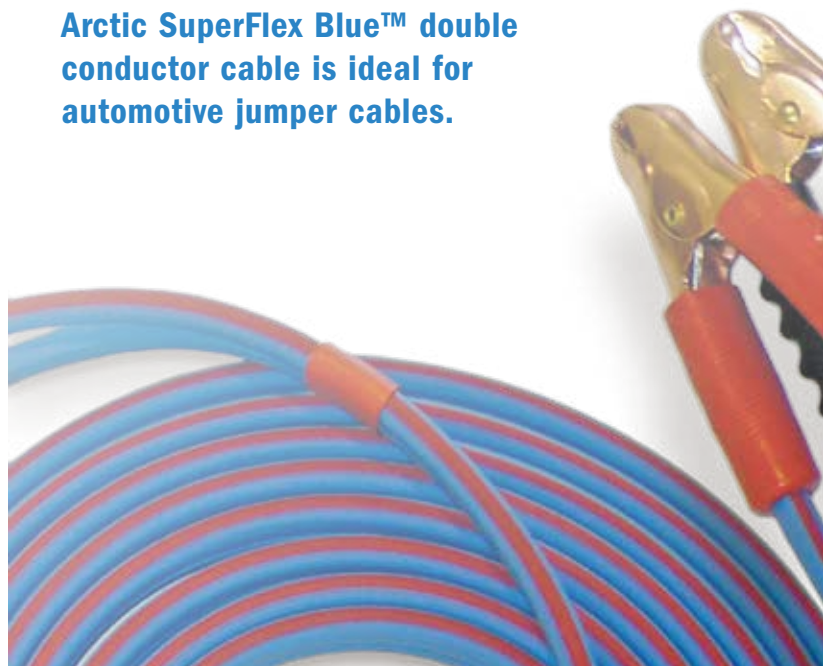
- Battery and jumper cables
- Wind and solar power systems
- Outboard motor leads
- Tow truck booster systems
- ATV and RV power cables
- Uninterrupted power supply systems (UPS)

### Size and Colors

- Available 8 AWG through 1/0 AWG
- Other sizes available on request
- Customer colors and striping available



Arctic SuperFlex Blue™ double conductor cable is ideal for automotive jumper cables.



Arctic Ultraflex Blue™ is a trademark of Polar Wire Products

## Prebuilt Battery Cables

**Polar Wire's Battery Cables** are premade in popular styles and sizes to save you time and money. Battery cables are built with premium *Arctic UltraFlex Blue™* cable and fitted with plated solderless battery cable terminals in negative-to-negative and positive-to-positive configurations.

12" lead is 12AWG tinned *Arctic UltraFlex Blue™* wire.

### Standard color configurations

**Negative:** Blue cable, black heat shrink on both ends, black lead

**Positive:** Blue cable, red heat shrink on both ends, red lead

### 2/0 GAUGE TOP MOUNT

| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYTM-20-18N        | SYTM-20-18P        | 18" (457.2mm)       |
| SYTM-20-24N        | SYTM-20-24P        | 24" (609.6mm)       |
| SYTM-20-30N        | SYTM-20-30P        | 30" (762mm)         |
| SYTM-20-36N        | SYTM-20-36P        | 36" (914.4mm)       |
| SYTM-20-42N        | SYTM-20-42P        | 42" (1066.8mm)      |
| SYTM-20-48N        | SYTM-20-48P        | 48" (1219.2mm)      |
| SYTM-20-54N        | SYTM-20-54P        | 54" (1371.6mm)      |
| SYTM-20-60N        | SYTM-20-60P        | 60" (1524mm)        |
| SYTM-20-66N        | SYTM-20-66P        | 66" (1676.4mm)      |
| SYTM-20-72N        | SYTM-20-72P        | 72" (1828.8mm)      |

### 2 GAUGE TOP MOUNT

| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYTM-2-20N         | SYTM-2-20P         | 20" (508mm)         |
| SYTM-2-25N         | SYTM-2-25P         | 25" (635mm)         |
| SYTM-2-30N         | SYTM-2-30P         | 30" (762mm)         |
| SYTM-2-35N         | SYTM-2-35P         | 35" (889mm)         |
| SYTM-2-40N         | SYTM-2-40P         | 40" (1016mm)        |
| SYTM-2-45N         | SYTM-2-45P         | 45" (1143mm)        |
| SYTM-2-50N         | SYTM-2-50P         | 50" (1270mm)        |
| SYTM-2-55N         | SYTM-2-55P         | 55" (1397mm)        |
| SYTM-2-60N         | SYTM-2-60P         | 60" (1524mm)        |
| SYTM-2-65N         | SYTM-2-65P         | 65" (1651mm)        |
| SYTM-2-70N         | SYTM-2-70P         | 70" (1778mm)        |
| SYTM-2-78N         | SYTM-2-78P         | 78" (1981.2mm)      |

### 2 GAUGE SIDE MOUNT WITH LEAD

| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYSML-2-20N        | SYSML-2-20P        | 20" (508mm)         |
| SYSML-2-25N        | SYSML-2-25P        | 25" (635mm)         |
| SYSML-2-30N        | SYSML-2-30P        | 30" (762mm)         |
| SYSML-2-35N        | SYSML-2-35P        | 35" (889mm)         |
| SYSML-2-40N        | SYSML-2-40P        | 40" (1016mm)        |
| SYSML-2-45N        | SYSML-2-45P        | 45" (1143mm)        |
| SYSML-2-50N        | SYSML-2-50P        | 50" (1270mm)        |
| SYSML-2-55N        | SYSML-2-55P        | 55" (1397mm)        |
| SYSML-2-60N        | SYSML-2-60P        | 60" (1524mm)        |
| SYSML-2-65N        | SYSML-2-65P        | 65" (1651mm)        |
| SYSML-2-70N        | SYSML-2-70P        | 70" (1778mm)        |
| SYSML-2-78N        | SYSML-2-78P        | 78" (1981.2mm)      |

### 4 GAUGE TOP MOUNT

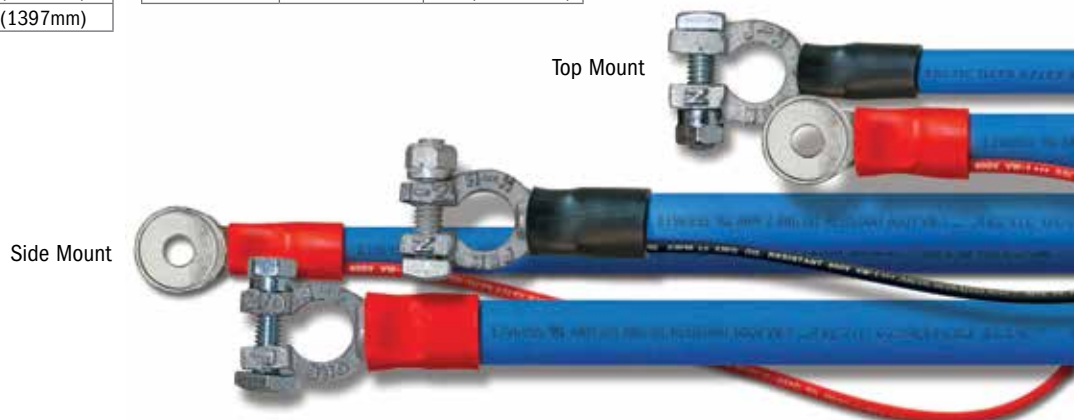
| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYTM-4-10N         | SYTM-4-10P         | 10" (254mm)         |
| SYTM-4-14N         | SYTM-4-14P         | 14" (355.6mm)       |
| SYTM-4-16N         | SYTM-4-16P         | 16" (406.4mm)       |
| SYTM-4-20N         | SYTM-4-20P         | 20" (508mm)         |
| SYTM-4-23N         | SYTM-4-23P         | 23" (584.2mm)       |
| SYTM-4-26N         | SYTM-4-26P         | 26" (660.4mm)       |
| SYTM-4-28N         | SYTM-4-28P         | 28" (711.2mm)       |
| SYTM-4-32N         | SYTM-4-32P         | 32" (812.8mm)       |
| SYTM-4-36N         | SYTM-4-36P         | 36" (914.4mm)       |
| SYTM-4-42N         | SYTM-4-42P         | 42" (1066.8mm)      |
| SYTM-4-45N         | SYTM-4-45P         | 45" (1143mm)        |
| SYTM-4-55N         | SYTM-4-55P         | 55" (1397mm)        |

### 4 GAUGE TOP MOUNT WITH LEAD

| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYTML-4-15N        | SYTML-4-15P        | 15" (381mm)         |
| SYTML-4-19N        | SYTML-4-19P        | 19" (482.6mm)       |
| SYTML-4-25N        | SYTML-4-25P        | 25" (635mm)         |
| SYTML-4-29N        | SYTML-4-29P        | 29" (736.6mm)       |
| SYTML-4-36N        | SYTML-4-36P        | 36" (914.4mm)       |
| SYTML-4-38N        | SYTML-4-38P        | 38" (965.2mm)       |
| SYTML-4-45N        | SYTML-4-45P        | 45" (1143mm)        |
| SYTML-4-50N        | SYTML-4-50P        | 50" (1270mm)        |
| SYTML-4-55N        | SYTML-4-55P        | 55" (1397mm)        |
| SYTML-4-68N        | SYTML-4-68P        | 68" (1727.2mm)      |
| SYTML-4-78N        | SYTML-4-78P        | 78" (1981.2mm)      |

### 4 GAUGE SIDE MOUNT WITH LEAD

| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYSML-4-20N        | SYSML-4-20P        | 20" (508mm)         |
| SYSML-4-25N        | SYSML-4-25P        | 25" (635mm)         |
| SYSML-4-30N        | SYSML-4-30P        | 30" (762mm)         |
| SYSML-4-35N        | SYSML-4-35P        | 35" (889mm)         |
| SYSML-4-40N        | SYSML-4-40P        | 40" (1016mm)        |
| SYSML-4-45N        | SYSML-4-45P        | 45" (1143mm)        |
| SYSML-4-50N        | SYSML-4-50P        | 50" (1270mm)        |
| SYSML-4-55N        | SYSML-4-55P        | 55" (1397mm)        |
| SYSML-4-60N        | SYSML-4-60P        | 60" (1524mm)        |
| SYSML-4-65N        | SYSML-4-65P        | 65" (1651mm)        |



Arctic Ultraflex Blue™ is a trademark of Polar Wire Products

## Prebuilt Eye-to-Eye Cables

**Eye-to-Eye Cables** are commonly used for *grounds, starters, inverters,* and *batteries.* Premanufactured eye-to-eye cables are built with premium **Arctic UltraFlex Blue™** cable and fitted with 3/8" tin-plated copper eyelet lugs in negative-to-negative, positive-to-positive, and series (negative-to-positive) configurations.

### Standard color configurations

**Negative:** Blue cable, black heat shrink on both ends  
(Black cable, white heat shrink available on request)

**Positive:** Blue cable, red heat shrink on both ends

**Series:** Blue cable, one end red, one end black



## 4 GAUGE

| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYSC-4-10N         | SYSC-4-10P         | 10" (254mm)         |
| SYSC-4-14N         | SYSC-4-14P         | 14" (355.6mm)       |
| SYSC-4-18N         | SYSC-4-18P         | 18" (457.2mm)       |
| SYSC-4-24N         | SYSC-4-24P         | 24" (609.6mm)       |
| SYSC-4-29N         | SYSC-4-29P         | 29" (736.6mm)       |
| SYSC-4-36N         | SYSC-4-36P         | 36" (914.4mm)       |
| SYSC-4-42N         | SYSC-4-42P         | 42" (1066.8mm)      |
| SYSC-4-48N         | SYSC-4-48P         | 48" (1219.2mm)      |
| SYSC-4-52N         | SYSC-4-52P         | 52" (1320.8mm)      |
| SYSC-4-60N         | SYSC-4-60P         | 60" (1524mm)        |

## 2/0 GAUGE

| PART #<br>NEGATIVE | PART #<br>POSITIVE | STANDARD<br>LENGTHS |
|--------------------|--------------------|---------------------|
| SYSC-20-12N        | SYSC-20-12P        | 12" (304.8mm)       |
| SYSC-20-14N        | SYSC-20-14P        | 14" (355.6mm)       |
| SYSC-20-18N        | SYSC-20-18P        | 18" (457.2mm)       |
| SYSC-20-24N        | SYSC-20-24P        | 24" (609.6mm)       |
| SYSC-20-36N        | SYSC-20-36P        | 36" (914.4mm)       |
| SYSC-20-40N        | SYSC-20-40P        | 40" (1016mm)        |
| SYSC-20-60N        | SYSC-20-60P        | 60" (1524mm)        |

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