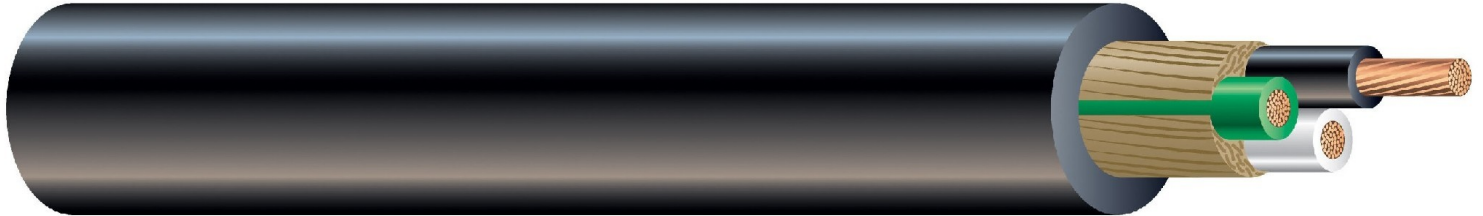


183SJTW

105°C PVC Cord. 300 Volts. Flexible Copper Conductors.
Flexible PVC Insulation and Jacket.
Grey or Yellow Jacket. Rated -34°C to 105°C. Rated as Hard-Usage Service Cord.
Flame Retardant and Meets UL and CSA FT2 Flame Tests.
Approved for Outdoor Use. Provides Premium Oil Resistance, Water Resistant, and Flexibility.



APPLICATIONS

183SJTW Flexible Cord are permitted for use as specified by Article 400 and related articles of the 2011 National Electrical Code. Typical applications include wiring for industrial machinery, washing machines and various other large appliances, heavy-duty tools, motors, and temporary electrical power and lighting installations for construction sites. Suitable for use in (i) dry locations not to exceed minimum -29°F (-34°C) or maximum 220° F (105°C); or (ii) wet locations or other applicable locations - may be completely immersed in water - when exposed to oil or coolant at temperatures not to exceed 140° F (60°C). Ideal for flex applications in harsh environments where the highest degree for oil resistance and extended service life are essential.

SPECIFICATIONS




- UL 62
- CSA Standard 22.2 No. 49
- Federal Specification J-C-580B
- NEC Article 400
- OSHA acceptable
- RoHS

CONSTRUCTION

18 AWG bare flexible stranded Class K copper conductors per ASTM B-174, and heat, moisture and oil resistant 220° F (105°C) color-coded PVC insulation. The insulated conductors are cabled with non-wicking polypropylene fillers, with a tissue-paper separator wrapped around the assembly to promote easier removal of the jacket. A heat, moisture and oil resistant flexible PVC jacket is extruded over the assembly to complete the construction. Some sizes may be subject to minimum order quantity.

| Conductor Size (AWG) | Conductor Stranding (#/AWG) | Nominal Jacket Thickness (in) | Nominal Insulation Thickness (in) | Nominal Overall Diameter (in) | Weight (lbs/1000ft) | Ampacity |
|----------------------|-----------------------------|-------------------------------|-----------------------------------|-------------------------------|---------------------|----------|
| 18/2 | 16 X 30 | 0.030 | 0.030 | 0.285 | 36 | 10 |
| 18/3 | 16 X 30 | 0.030 | 0.030 | 0.305 | 47 | 10 |
| 18/4 | 16 X 30 | 0.030 | 0.030 | 0.330 | 58 | 7 |
| 16/2 | 26 X 30 | 0.030 | 0.030 | 0.310 | 46 | 13 |
| 16/3 | 26 X 30 | 0.030 | 0.030 | 0.330 | 98 | 13 |
| 16/4 | 26 X 30 | 0.030 | 0.030 | 0.365 | 61 | 10 |
| 14/2 | 41 X 30 | 0.030 | 0.030 | 0.345 | 80 | 18 |
| 14/3 | 41 X 30 | 0.030 | 0.030 | 0.365 | 109 | 18 |
| 14/4 | 41 X 30 | 0.030 | 0.030 | 0.400 | 139 | 15 |
| 12/2 | 65 X 30 | 0.030 | 0.045 | 0.415 | 92 | 25 |
| 12/3 | 65 X 30 | 0.030 | 0.045 | 0.435 | 232 | 25 |
| 12/4 | 65 X 30 | 0.030 | 0.045 | 0.480 | 155 | 20 |
| 10/2 | 104 X 30 | 0.045 | 0.060 | 0.560 | 150 | 30 |
| 10/3 | 104 X 30 | 0.045 | 0.060 | 0.590 | 207 | 30 |
| 10/4 | 104 X 30 | 0.045 | 0.060 | 0.645 | 262 | 25 |

Ampacity values are based on NEC Table 400.5(A) for sizes 18 AWG through 10 AWG.

| # OF CONDUCTORS | COLOR SEQUENCE |
|-----------------|--|
| 2 | BLACK, WHITE  |
| 3 | BLACK, WHITE, GREEN  |
| 4 | BLACK, WHITE, RED, GREEN  |