

SJOOW Flexible Cords and Cables

300 Volt, 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation and Heat, Moisture and Oil Resistant Flexible CPE Jacket



PRODUCT DATA SHEET

SJOOW Flexible Cords and Cables are suitable for control equipment on machine tools subjected to medium mechanical stresses; for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance system; and in dry, damp and wet interiors— including water-oil mixtures.



FEATURES

- Excellent resistance to oil and moisture
- Good tensile strength, elongation and aging characteristics
- High flexibility
- Excellent abrasion resistance
- Water-resistant*
- UL Listed and CSA Certified for indoor and outdoor use
- Ozone, sunlight (UV) and weather-resistant

CONSTRUCTION

Conductor: Stranded bare copper, Class K per ASTM B-174

Insulation: EPDM, oil resistant

Fillers: 2C/3C x18AWG: Rip Cord+ Cotton Yarn; others: PP Rope

Separator: Paper

Jacket: CPE, oil resistant

Jacket Colour: Black; additional colors available

Print Legend: ASCENT E486041 XXAWG XX/C SJOOW UL 300V(-40C-90C) CSA LL268042 FT-2 WATER RESISTANT P-07KA140001-MSHA—RoHS xxxxxFT

PERFORMANCE STANDARDS

- UL Flexible Cord - UL 62
- CSA Standard - C22.2 No. 49
- CSA FT2 Flame Test
- MSHA Approved
- RoHS Compliant

APPLICATIONS

- Machine tools, power tools
- Portable machinery
- Submersible pumps
- Motor leads

*Suitable for immersion in water if properly sealed and terminated.

COLOR CODE CHART

| No. of Conductors | Color |
|-------------------|--------------------------|
| 2 | Black, White |
| 3 | Black, White, Green |
| 4 | Black, White, Green, Red |

| Part Number | No. of Cond. | AWG | No. of Strands | Nom. Insul. Thickness | | Nom. OD | | Amps [†] |
|-----------------|--------------|-----|----------------|-----------------------|------|---------|------|-------------------|
| | | | | Inch | mm | Inch | mm | |
| SJO18020W-0/90C | 2 | 18 | 16/30 | 0.030 | 0.76 | 0.291 | 7.40 | 10 |
| SJO18030W-0/90C | 3 | 18 | 16/30 | 0.030 | 0.76 | 0.305 | 7.75 | 10 |
| SJO18040W-0/90C | 4 | 18 | 16/30 | 0.030 | 0.76 | 0.340 | 8.60 | 7 |
| SJO16020W-0/90C | 2 | 16 | 26/30 | 0.030 | 0.76 | 0.311 | 7.90 | 13 |
| SJO16030W-0/90C | 3 | 16 | 26/30 | 0.030 | 0.76 | 0.330 | 8.40 | 13 |
| SJO16040W-0/90C | 4 | 16 | 26/30 | 0.030 | 0.76 | 0.362 | 9.20 | 10 |
| SJO14020W-0/90C | 2 | 14 | 41/30 | 0.030 | 0.76 | 0.343 | 8.70 | 18 |
| SJO14030W-0/90C | 3 | 14 | 41/30 | 0.030 | 0.76 | 0.370 | 9.40 | 18 |
| SJO14040W-0/90C | 4 | 14 | 41/30 | 0.030 | 0.76 | 0.406 | 10.3 | 15 |
| SJO12030W-0/90C | 3 | 12 | 65/30 | 0.030 | 0.76 | 0.429 | 10.9 | 25 |
| SJO12040W-0/90C | 4 | 12 | 65/30 | 0.030 | 0.76 | 0.472 | 12.0 | 20 |

[†]Ampacities are based on NEC Table 400.5 (A)(1) at 30°C ambient in free air.

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|-------------------------|------------|-----------------|
| Design Number | 10026 | |
| Revision History | | |
| 01 | 2019/04/23 | Initial release |
| Created T. Plochocki | | |
| Approved A. Huang | | |

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