



SJOOW

300 V

UL 62 and CAN/CSA-C 22.2 No 49

Portable cord and control cable, 90°C, Integral version

APPLICATIONS

Industrial and processing equipment, cranes and hoists, track systems, tools, construction equipment, motors and associated machinery, garage portable lights, battery charger and equipment exposed to oils, solvents, flame, moisture and other electrical equipment. Other industrial applications



CONSTRUCTION

| | |
|------------------------------|---|
| Conductors | Flexible stranded bare copper in accordance with ASTM B-174 and UL 62 |
| Insulation | EPR compound Class 19 of Tab. 8 of UL 62 |
| Color code | ICEA S-58-679, Method 1, Tab.1 2/C Black, White 3/C Black, White, Green 4/C Black, White, Red, Green 5/C Black, White, Red, Green, Orange |
| Cabling | Insulated conductors are assembled round without filler. Integral filled jacket |
| Separator | Talc applied over the cable core for sizes 18AWG-10AWG |
| Outer jacket | CPE compound Class 1.12 90°C comply with Tab. 11 of UL 62 |
| Color of outer jacket | Black. Other colors available on request |

Features

Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water. Maximum temperature: +90°C. Flame test meets FT2, MSHA. Ink jet printed for easy identification.

Approvals

UL: E123366 (CPE), **CSA:** 1534535 (LL 103932)(CPE), **MSHA:** P-7K-254013 (CPE), FT2

Technical and Electrical Characteristic

| Part Number | AWG size | No of conductor | Conductor strand | Nominal insulation thickness | | Nominal jacket thickness | | Nominal overall diameter | | Weight LBS/1000ft | Ampacity at 30°C in air A |
|--------------|----------|-----------------|------------------|------------------------------|------|--------------------------|------|--------------------------|------|----------------------|------------------------------|
| | | | | Inches | mm | Inches | mm | Inches | mm | | |
| SJOOW18-2 IF | 18 | 2 | 16/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,288 | 7,3 | 50 | 10 |
| SJOOW18-3 IF | | 3 | 16/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,30 | 7,8 | 60 | 10 |
| SJOOW18-4 IF | | 4 | 16/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,33 | 8,4 | 71 | 7 |
| SJOOW16-2 IF | 16 | 2 | 26/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,31 | 7,9 | 53 | 13 |
| SJOOW16-3 IF | | 3 | 26/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,33 | 8,4 | 66 | 13 |
| SJOOW16-4 IF | | 4 | 26/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,36 | 9,1 | 83 | 10 |
| SJOOW14-2 IF | 14 | 2 | 41/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,34 | 8,7 | 80 | 18 |
| SJOOW14-3 IF | | 3 | 41/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,36 | 9,2 | 88 | 18 |
| SJOOW14-4 IF | | 4 | 41/30 | 0,030 | 0,76 | 0,030 | 0,76 | 0,40 | 10,1 | 110 | 15 |
| SJOOW12-2 IF | 12 | 2 | 41/30 | 0,030 | 0,76 | 0,045 | 1,14 | 0,41 | 10,4 | 104 | 25 |
| SJOOW12-3 IF | | 3 | 41/30 | 0,030 | 0,76 | 0,045 | 1,14 | 0,43 | 10,9 | 131 | 25 |
| SJOOW12-4 IF | | 4 | 41/30 | 0,030 | 0,76 | 0,045 | 1,14 | 0,47 | 11,9 | 163 | 20 |
| SJOOW10-2 IF | 10 | 2 | 103/30 | 0,045 | 1,14 | 0,060 | 1,52 | 0,54 | 13,8 | 177 | 30 |
| SJOOW10-3 IF | | 3 | 103/30 | 0,045 | 1,14 | 0,060 | 1,52 | 0,58 | 14,6 | 225 | 30 |
| SJOOW10-4 IF | | 4 | 103/30 | 0,045 | 1,14 | 0,060 | 1,52 | 0,63 | 16,0 | 279 | 25 |

NOTE 1. Ampacity values shown are for current carrying conductors. A grounding conductor, or one which carries only the unbalanced current from other conductors, is not counted in determining current carrying capacity.

NOTE 2. Correction factor for ambient temperature of 40 °C is 0,91

Standard print legend:

Up to 4 cores

TF CABLE FLEXTREME (COND) (SIZE) (mm²) (UL) TYPE SJOOW E123366 90°C SUN&WATER RES 300V FT2 CSA TYPE SJOOW 90°C LL 103932 FT2 -40°C P-7K-254013 MSHA