

## Portable Cord -40°C +90°C UL CSA MSHA Hard Usage - Medium Grade Mechanical Service



### SPECIFICATIONS & STANDARDS

UL 62, CSA-C 22.2 No 49

### CONSTRUCTION:

|                    |   |
|--------------------|---|
| <b>Conductors:</b> | Flexible strand bare copper, ASTM B-174 and UL 62                         |
| <b>Separator:</b>  | Paper tape between conductor and insulation                               |
| <b>Insulation:</b> | EPR 90°C compound class 3 table 8 UL 62                                   |
| <b>Assembly:</b>   | Insulated conductors cabled together: integral filled jacket              |
| <b>Separator:</b>  | Talc for 18-10 AWG  |
| <b>Jacket:</b>     | Black CPE compound class, 90°C + class 1.4, table 11, UL 62 integral fill |
| <b>Color code:</b> | ICEA S-58-679, Method 1, table 1, black, white, green                     |

| FEATURES   | APPLICATION  |
|--|--|
| <ul style="list-style-type: none"> <li>- Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water</li> <li>- Flame test: meets FT2, MSHA</li> <li>- Temperature range: -40°C to +90°C</li> <li>- Suitable for shallow water immersion</li> </ul> | <ul style="list-style-type: none"> <li>- 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</li> </ul> |

### APPROVALS:

|              |                           |
|--------------|---------------------------|
| <b>UL:</b>   | E123366 (CPE)             |
| <b>CSA:</b>  | 1534535 (LL 103932) (CPE) |
| <b>MSHA:</b> | P-7K-254013 (CPE)         |

| Part Number  | Conductor Size | No. of Conductors | Power Conductor Stranding | Nominal Insulation Thickness |      | Nominal Jacket Thickness |      | Nominal O.D. |      | Approx. Weight<br>lbs/1000 ft | Ampacity (1)<br>30°C<br>Ambient Temp. |
|--------------|----------------|-------------------|---------------------------|------------------------------|------|--------------------------|------|--------------|------|-------------------------------|---------------------------------------|
|              | AWG            |                   | No. of Stranding          | inches                       | mm   | inches                   | mm   | inches       | mm   |                               | A                                     |
| SJOOW18-2 IF | 18             | 2                 | 16 / 30                   | 0.030                        | 0.76 | 0.030                    | 0.76 | 0.28         | 7.2  | 42                            | 10.0                                  |
| SJOOW18-3 IF |                | 3                 |                           |                              |      |                          |      | 0.30         | 7.7  | 52                            | 10.0                                  |
| SJOOW18-4 IF |                | 4                 |                           |                              |      |                          |      | 0.33         | 8.4  | 63                            | 7.0                                   |
| SJOOW16-2 IF | 16             | 2                 | 26 / 30                   | 0.030                        | 0.76 | 0.030                    | 0.76 | 0.31         | 7.9  | 53                            | 13.0                                  |
| SJOOW16-3 IF |                | 3                 |                           |                              |      |                          |      | 0.33         | 8.4  | 66                            | 13.0                                  |
| SJOOW16-4 IF |                | 4                 |                           |                              |      |                          |      | 0.36         | 9.1  | 83                            | 10.0                                  |
| SJOOW14-2 IF | 14             | 2                 | 41 / 30                   | 0.030                        | 0.76 | 0.030                    | 0.76 | 0.34         | 8.7  | 68                            | 18.0                                  |
| SJOOW14-3 IF |                | 3                 |                           |                              |      |                          |      | 0.36         | 9.2  | 88                            | 18.0                                  |
| SJOOW14-4 IF |                | 4                 |                           |                              |      |                          |      | 0.40         | 10.1 | 110                           | 15.0                                  |
| SJOOW12-2 IF | 12             | 2                 | 65 / 30                   | 0.030                        | 0.76 | 0.045                    | 1.14 | 0.41         | 10.4 | 104                           | 25.0                                  |
| SJOOW12-3 IF |                | 3                 |                           |                              |      |                          |      | 0.43         | 10.9 | 131                           | 25.0                                  |
| SJOOW12-4 IF |                | 4                 |                           |                              |      |                          |      | 0.47         | 11.9 | 163                           | 20.0                                  |
| SJOOW10-2 IF | 10             | 2                 | 103 / 30                  | 0.045                        | 1.14 | 0.060                    | 1.52 | 0.54         | 13.8 | 177                           | 30.0                                  |
| SJOOW10-3 IF |                | 3                 |                           |                              |      |                          |      | 0.58         | 14.6 | 225                           | 30.0                                  |
| SJOOW10-4 IF |                | 4                 |                           |                              |      |                          |      | 0.63         | 16.0 | 279                           | 25.0                                  |

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

### STANDARD PRINT LEGEND:

TF CABLE FLEXTREME (COND) (SIZE) (mm<sup>2</sup>) (UL) TYPE SJOOW E123366 90C SUN & WATER RES 300V CSA TYPE SJOOW 90C LL 103932 FT2 -40C P-7K-254013 MSHA

### SPECIAL FACTORY OPTIONS:

**Color jacket:** Yellow, Orange