

# SJE00W 300V Portable Power Cable 105°C



## APPLICATION:

SJE00W Portable Power Cable is for use with portable tools, equipment, appliances, small motors and associated machinery where flexibility and durability are required. This cable is also suitable for use outdoors and for immersion in water. For applications up to 300 volts and for temperatures of -50°C to +105°C.

NOTE: SJE00W is not well suited for harsh environments such as quarries, mines or gravel pits.

## CONDUCTORS:

- Flexible stranded bare copper in accordance with ASTM B-3 and B-174 class K

## INSULATION:

- Color coded premium grade Thermoplastic Elastomer (TPE) insulation

## JACKET:

- Overall jacket of black 105°C Thermoplastic Elastomer (TPE), which is oil, moisture and abrasion resistant
- Black and Yellow jackets are available

## STANDARDS:

- UL 62
- CSA C22.2 No. 49
- OSHA accepted
- Sunlight Resistant

## COLOR CODE:

### ICEA S-58-679, Method 1, Table 1

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

| Part Number | Conductor Size | No. of Conductors | Conductor Stranding | Nominal Insulation Thickness |      | Nominal Overall Diameter |       | Weight<br>lbs/kft | Ampacity**<br>30°C<br>Ambient |
|-------------|----------------|-------------------|---------------------|------------------------------|------|--------------------------|-------|-------------------|-------------------------------|
|             | AWG            |                   | No./AWG             | Inches                       | mm   | Inches                   | mm    |                   |                               |
| 18-02SJE00W | 18             | 2                 | 16/30               | 0.030                        | 0.76 | 0.290                    | 7.37  | 37                | 10                            |
| 18-03SJE00W | 18             | 3                 | 16/30               | 0.030                        | 0.76 | 0.310                    | 7.87  | 49                | 10                            |
| 18-04SJE00W | 18             | 4                 | 16/30               | 0.030                        | 0.76 | 0.330                    | 8.38  | 59                | 7                             |
| 16-02SJE00W | 16             | 2                 | 26/30               | 0.030                        | 0.76 | 0.310                    | 7.87  | 46                | 13                            |
| 16-03SJE00W | 16             | 3                 | 26/30               | 0.030                        | 0.76 | 0.330                    | 8.38  | 59                | 13                            |
| 16-04SJE00W | 16             | 4                 | 26/30               | 0.030                        | 0.76 | 0.350                    | 8.89  | 73                | 10                            |
| 14-02SJE00W | 14             | 2                 | 41/30               | 0.030                        | 0.76 | 0.340                    | 8.64  | 60                | 18                            |
| 14-03SJE00W | 14             | 3                 | 41/30               | 0.030                        | 0.76 | 0.360                    | 9.14  | 79                | 18                            |
| 14-04SJE00W | 14             | 4                 | 41/30               | 0.030                        | 0.76 | 0.390                    | 9.91  | 98                | 15                            |
| 12-02SJE00W | 12             | 2                 | 65/30               | 0.030                        | 0.76 | 0.410                    | 10.41 | 90                | 25                            |
| 12-03SJE00W | 12             | 3                 | 65/30               | 0.030                        | 0.76 | 0.430                    | 10.92 | 116               | 25                            |
| 12-04SJE00W | 12             | 4                 | 65/30               | 0.030                        | 0.76 | 0.470                    | 11.94 | 150               | 20                            |
| 10-02SJE00W | 10             | 2                 | 104/30              | 0.045                        | 1.14 | 0.550                    | 13.97 | 155               | 30                            |
| 10-03SJE00W | 10             | 3                 | 104/30              | 0.045                        | 1.14 | 0.570                    | 14.48 | 200               | 30                            |
| 10-04SJE00W | 10             | 4                 | 104/30              | 0.045                        | 1.14 | 0.630                    | 16.00 | 257               | 25                            |

All values are nominal and subject to correction

\*\* Values shown are for current carrying conductors per NEC table 400.5(A)(1). A grounding conductor, or one which carries only the unbalanced current from other conductors, is NOT counted in determining current carrying capacity.



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