# **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 SJ00W 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

## **COLOR CODE CHART**

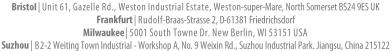
No. of Conductors	Color
2	Black, White
3	Black, White, Green
4	Black, White, Green, Red

Part Number	No. of Cond.	AWG	No. of Strands	Nom. Insul. Thickness		Nom. OD		Amns †
				Inch	mm	Inch	mm	Amps †
SJ018020W-0/90C	2	18	16/30	0.030	0.76	0.291	7.40	10
SJ018030W-0/90C	3	18	16/30	0.030	0.76	0.305	7.75	10
SJ018040W-0/90C	4	18	16/30	0.030	0.76	0.340	8.60	7
SJ016020W-0/90C	2	16	26/30	0.030	0.76	0.311	7.90	13
SJ016030W-0/90C	3	16	26/30	0.030	0.76	0.330	8.40	13
SJ016040W-0/90C	4	16	26/30	0.030	0.76	0.362	9.20	10
SJ014020W-0/90C	2	14	41/30	0.030	0.76	0.343	8.70	18
SJ014030W-0/90C	3	14	41/30	0.030	0.76	0.370	9.40	18
SJ014040W-0/90C	4	14	41/30	0.030	0.76	0.406	10.3	15
SJ012030W-0/90C	3	12	65/30	0.030	0.76	0.429	10.9	25
SJ012040W-0/90C	4	12	65/30	0.030	0.76	0.472	12.0	20

 $<sup>^{\</sup>dagger}\!Ampacities$  are based on NEC Table 400.5 (A)(1) at 30°C ambient in free air.

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<sup>\*</sup>Suitable for immersion in water if properly sealed and terminated.