



## Description:

SJTOW Belflex® matte black premium PVC, smooth jacket, 300V, 105°C, paper tape separator, UL/CSA listed, international color code: light blue, brown.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	42x34	BC - Bare Copper

Type of Cordage: SJTOW

### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Belflex®	PVC Blend - Polyvinyl Chloride Blend	.035

## Overall Cabling

Overall Cabling Fillers: Polypropylene

Overall Cabling Color Code Chart:

Color
Light Blue
Brown

Overall Cabling Separator Material: Paper Tape

Overall Nominal Diameter: 0.290 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -35°C To +105°C

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: SJTOW

CSA Specification: SJTOW

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

## 19506 Portable Cordage - UL/CSA Types: SJ, SJO, SJTOW, SO

EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	VW-1
CSA Flame Test:	FT1

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Surface Printing (Overall)

Surface Printing:	Surface Impression Printed
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### Electrical Characteristics (Overall)

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

#### Max. Recommended Current:

<b>Current</b>
10 Amps per conductor @ 25°C
7 Amps per conductor @ 25°C over 50 ft.

<b>Dielectric Withstand Voltage:</b>	1500 V AC Applied For 1 Min.
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### Notes (Overall)

**Notes:** Jacket is Oil Resistant

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
19506 B59250	250 FT	11.000 LB	BLACK, MATTE	C	2 18 34B SJTOW 105

**Notes:**  
C = CRATE REEL PUT-UP.


## 2-Conductor

UL/CSA Types: SJ, SJO, SJTOW, SO

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm


**SJ Rubber Jacket** • Smooth Jacket • UL/CSA Listed

**300V, 60°C** • Paper Tape Separator • Color Code: Black, White

	<b>8478</b>	250	76.2	10.8	4.9	Black	18 (42x34) BC	.032	.81	.035	.89	.290	7.37
		1000	304.8	48.0	21.8								
	<b>8472</b>	250	76.2	12.8	5.8	Black	16 (65x34) BC	.033	.84	.035	.89	.315	8.00


**SJO Oil-Resistant Rubber Jacket** • Smooth Jacket • UL/CSA Listed

**300V, 90°C** • Paper Tape Separator • Color Code: Black, White

	<b>19227</b>	250 <sup>†</sup>	76.2	11.0	5.0	Black	18 (16x30) BC	.031	.79	.035	.89	.290	7.37
	<b>19228</b>	250 <sup>†</sup>	76.2	13.5	6.1	Black	16 (26x30) BC	.031	.79	.035	.89	.315	8.00


**SJTOW Belflex® Matte Black Premium PVC** • Smooth Jacket • UL/CSA Listed

**300V, 105°C** • Paper Tape Separator • International Color Code: Light Blue, Brown


	<b>19506*</b>	250	76.2	11.0	5.0	Matte Black	18 (42x34) BC	.032	.81	.035	.89	.290	7.34
	<b>19507*</b>	250	76.2	13.5	6.1	Matte Black	16 (65x34) BC	.033	.84	.037	.94	.319	8.10
	<b>19508*</b>	250	76.2	17.0	7.7	Matte Black	14 (41x30) BC	.033	.84	.032	.81	.348	8.84

**SO Oil-Resistant Rubber Jacket** • Smooth Jacket • UL/CSA Listed

**600V, 90°C** • Cotton Serve Separator • Color Code: Black, White

	<b>19204</b>	250 <sup>†</sup>	76.2	18.5	8.4	Black	18 (42x34) BC	.032	.81	.065	1.65	.360	9.14
	<b>19203</b>	250 <sup>†</sup>	76.2	19.0	8.6	Black	16 (65x34) BC	.033	.84	.065	1.65	.385	9.78
	<b>19202</b>	250 <sup>†</sup>	76.2	37.3	16.9	Black	14 (41x30) BC	.048	1.22	.085	2.16	.523	13.28

**600V, 90°C** • Paper Tape Separator • Color Code: Black, White

	<b>19201</b>	250 <sup>†</sup>	76.2	52.8	24.0	Black	12 (65x30) BC	.051	1.30	.100	2.54	.610	15.49
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BC = Bare Copper

\*These constructions are approved as water-resistant, oil-resistant and for outdoor use.

<sup>†</sup>Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.