



Description:

SJ rubber jacket, smooth jacket, 300V 60°C, paper tape separator, UL/CSA listed, color code: black, white.

Physical Characteristics (Overall)

Conductor

AWG:

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

Type of Cordage: SJ

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.032

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
Rubber	.035

Overall Cabling

Overall Cabling Fillers: Jute

Overall Cabling Color Code Chart:

Color
Black
White

Overall Cabling Separator Material: Paper Tape

Overall Nominal Diameter: 0.290 in.

Mechanical Characteristics (Overall)

UL Temperature Rating: 60°C

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: SJ

CSA Specification: SJ

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): 10/13/2005

8478 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

MIL Order #39 (China RoHS): Yes

Flame Test

CSA Flame Test: FT2

Plenum/Non-Plenum

Plenum (Y/N): No

Surface Printing (Overall)

Surface Printing: "18-2 SJ 60°C (UL) E3462 - - - CSA LL7874 18-2 SJ 60°C FT2"

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

10 Amps per conductor @ 25°C

7 Amps per conductor @ 25°C over 50 ft.

Dielectric Withstand Voltage: 2000 V AC Applied For 1 Min.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8478 0101000	1,000 FT	48.000 LB	BLACK	C	2 #18 EPDM SBR
8478 010250	250 FT	10.750 LB	BLACK	C	2 #18 EPDM SBR

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

	8478	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								
	8472	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

	19227	250 [†]	76.2	11.0	5.0	Black	18 (16x30) BC	.031	.79	.035	.89	.290	7.37
	19228	250 [†]	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


	19506*	250	76.2	11.0	5.0	Matte Black	18 (42x34) BC	.032	.81	.035	.89	.290	7.34
	19507*	250	76.2	13.5	6.1	Matte Black	16 (65x34) BC	.033	.84	.037	.94	.319	8.10
	19508*	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

	19204	250 [†]	76.2	18.5	8.4	Black	18 (42x34) BC	.032	.81	.065	1.65	.360	9.14
	19203	250 [†]	76.2	19.0	8.6	Black	16 (65x34) BC	.033	.84	.065	1.65	.385	9.78
	19202	250 [†]	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

	19201	250 [†]	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.

[†]Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.