

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8478 Portable Cordage - UL/CSA Types: SJ, SJO, SJTOW, SO



For more Information  
please call

1-800-Belden1



## General 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

Total Number of Conductors: 2

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	0.039

### Overall Cable

Overall Cabling Fillers: Jute

### Overall Cabling Color Code Chart:

Color
Black
White

Overall Cabling Separator Material: Paper Tape

Overall Nominal Diameter: 0.298 in.

## Mechanical Characteristics (Overall)

UL Temperature Rating: 60°C

Bulk Cable Weight: 43 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 3 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	SJ
CSA Specification:	SJ
EU Directive 2011/65/EU (RoHS II):	Yes
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
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

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MII Order #39 (China RoHS):

Yes

#### Flame Test

CSA Flame Test:

FT2

#### Plenum/Non-Plenum

Plenum (Y/N):

No

#### Surface Printing (Overall)

#### 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 010250	250 FT	12.250 LB	BLACK	C	2 #18 EPDM SBR

Notes:

C = CRATE REEL PUT-UP.

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