

For more Information  
please call

1-800-Belden1



## General Description:

Stranded silver-coated copper conductor insulation with extruded TFE Teflon.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	16	19x29	SPC - Silver Plated Copper

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
TFE - Tetrafluoroethylene	0.011

### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 0.077 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 10 lbs/1000 ft.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

UL Rating: 105°C

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): 04/01/2005

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

Military Specification: NEMA HP3, MIL-W-16878/4 (Except For Stranding)

MIL Spec Rating: 600 V, 200°C

### Flame Test

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.000

Max. Operating Voltage - Other:

Voltage	Description
600 VRMS	MIL-W-16878/4

Max. Recommended Current:

Description	Current
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Mil-Std-975M Table 3.16 (single wire)	13 amps
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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83010 001100	100 FT	1.200 LB	BROWN		#16 STR TFE BRN
83010 0011000	1,000 FT	11.000 LB	BROWN	S W Z	#16 STR TFE BRN
83010 001500	500 FT	6.000 LB	BROWN	S W	#16 STR TFE BRN
83010 002100	100 FT	1.200 LB	RED		#16 STR TFE RED
83010 0021000	1,000 FT	11.000 LB	RED	S W	#16 STR TFE RED
83010 002500	500 FT	6.000 LB	RED	S W	#16 STR TFE RED
83010 003100	100 FT	1.200 LB	ORANGE		#16 STR TFE ORG
83010 003500	500 FT	6.000 LB	ORANGE	S W	#16 STR TFE ORG
83010 004100	100 FT	1.200 LB	YELLOW		#16 STR TFE YEL
83010 0041000	1,000 FT	11.000 LB	YELLOW	S W	#16 STR TFE YEL
83010 004500	500 FT	6.000 LB	YELLOW	S W	#16 STR TFE YEL
83010 005100	100 FT	1.200 LB	GREEN, DARK		#16 STR TFE GRNDK
83010 0051000	1,000 FT	11.000 LB	GREEN, DARK	S W	#16 STR TFE GRNDK
83010 005500	500 FT	6.000 LB	GREEN, DARK	S W	#16 STR TFE GRNDK
83010 006100	100 FT	1.200 LB	BLUE, LIGHT		#16 STR TFE BLULT
83010 0061000	1,000 FT	11.000 LB	BLUE, LIGHT	S W	#16 STR TFE BLULT
83010 006500	500 FT	6.000 LB	BLUE, LIGHT	S W	#16 STR TFE LBLU
83010 007100	100 FT	1.200 LB	VIOLET		#16 STR TFE VIO
83010 007500	500 FT	6.000 LB	VIOLET	S W	#16 STR TFE VIO
83010 008100	100 FT	1.200 LB	GRAY		#16 STR TFE GRY
83010 008500	500 FT	6.000 LB	GRAY	S W	#16 STR TFE GRY
83010 009100	100 FT	1.200 LB	WHITE		#16 STR TFE WHT
83010 0091000	1,000 FT	11.000 LB	WHITE	S W	#16 STR TFE WHT
83010 009500	500 FT	6.000 LB	WHITE	S W	#16 STR TFE WHT
83010 010100	100 FT	1.200 LB	BLACK		#16 STR TFE BLK
83010 0101000	1,000 FT	11.000 LB	BLACK	S W	#16 STR TFE BLK
83010 010500	500 FT	6.000 LB	BLACK	S W	#16 STR TFE BLK

**Notes:**

S = STRIPING ADDERS FOR TYPES E AND EE: 123 STRIPES. MINIMUM ORDER 10  
 W = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'  
 Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2    Revision Date: 08-30-2013

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