

For more Information
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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	18	19x30	SPC - Silver Plated Copper

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
TFE - Tetrafluoroethylene	.011

Overall Insulation

Overall Cable

Overall Nominal Diameter: 0.068 in.

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 8 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)
5.750

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) 9.2 amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83009 001100	100 FT	0.900 LB	BROWN		#18 STR TFE BRN
83009 0011000	1,000 FT	9.000 LB	BROWN	S W	#18 STR TFE BRN
83009 002100	100 FT	0.900 LB	RED		#18 STR TFE RED
83009 0021000	1,000 FT	9.000 LB	RED	S W	#18 STR TFE RED
83009 002500	500 FT	4.000 LB	RED	S W	#18 STR TFE RED
83009 003100	100 FT	0.900 LB	ORANGE		#18 STR TFE ORG
83009 0031000	1,000 FT	9.000 LB	ORANGE	S W	#18 STR TFE ORG
83009 004100	100 FT	0.900 LB	YELLOW		#18 STR TFE YEL
83009 0041000	1,000 FT	9.000 LB	YELLOW	S W	#18 STR TFE YEL
83009 005100	100 FT	0.900 LB	GREEN, DARK		#18 STR TFE GRNDK
83009 0051000	1,000 FT	9.000 LB	GREEN, DARK	S W	#18 STR TFE GRNDK
83009 006100	100 FT	0.900 LB	BLUE, LIGHT		#18 STR TFE BLULT
83009 0061000	1,000 FT	9.000 LB	BLUE, LIGHT	S W	#18 STR TFE BLULT
83009 007100	100 FT	0.900 LB	VIOLET		#18 STR TFE VIO
83009 008100	100 FT	0.900 LB	GRAY		#18 STR TFE GRY
83009 009100	100 FT	0.900 LB	WHITE		#18 STR TFE WHT
83009 0091000	1,000 FT	9.000 LB	WHITE	S W	#18 STR TFE WHT
83009 009500	500 FT	4.000 LB	WHITE	S W	#18 STR TFE WHT
83009 010100	100 FT	0.900 LB	BLACK		#18 STR TFE BLK
83009 0101000	1,000 FT	9.000 LB	BLACK	S W	#18 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 5'

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Mouser Electronics

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Belden Wire & Cable:

[83009 0101000](#) [83009 006500](#) [83009 001500](#) [83009 0031000](#) [83009 0021000](#) [83009 0041000](#)