

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	16	19x29	SPC - Silver Plated Copper

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
TFE - Tetrafluoroethylene	0.381

Overall Insulation

Overall Cable

Overall Nominal Diameter: 2.235 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 16.370 Kg/Km

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating: 300 V RMS, 200°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-16878/5 (Except For Stranding)

MIL Spec Rating: 1000 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/km)
13.124

Max. Operating Voltage - UL:

Voltage	Description
300V RMS	UL AWM 1180

Max. Operating Voltage - Other:

Voltage	Description
1000V RMS	Mil-W-16878/5

Max. Recommended Current:

Description	Current
Mil-Std-975M Table 3.16 (single wire)	13 amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83030 001100	30 MT	0.590 KG	BROWN		#16 STR TFE BRN
83030 0011000	305 MT	5.443 KG	BROWN	S W	#16 STR TFE BRN
83030 002100	30 MT	0.590 KG	RED		#16 STR TFE RED
83030 0021000	305 MT	5.443 KG	RED	S W	#16 STR TFE RED
83030 003100	30 MT	0.590 KG	ORANGE		#16 STR TFE ORG
83030 0031000	305 MT	5.443 KG	ORANGE	S W	#16 STR TFE ORG
83030 004100	30 MT	0.590 KG	YELLOW		#16 STR TFE YEL
83030 0041000	305 MT	5.443 KG	YELLOW	S W	#16 STR TFE YEL
83030 005100	30 MT	0.590 KG	GREEN, DARK		#16 STR TFE GRNDK
83030 0051000	305 MT	5.443 KG	GREEN, DARK	S W	#16 STR TFE GRNDK
83030 006100	30 MT	0.590 KG	BLUE, LIGHT		#16 STR TFE BLULT
83030 0061000	305 MT	5.443 KG	BLUE, LIGHT	S W	#16 STR TFE BLULT
83030 007100	30 MT	0.590 KG	VIOLET		#16 STR TFE VIO
83030 0071000	305 MT	5.443 KG	VIOLET	S W	#16 STR TFE VIO
83030 008100	30 MT	0.590 KG	GRAY		#16 STR TFE GRY
83030 0081000	305 MT	5.443 KG	GRAY	S W	#16 STR TFE GRY
83030 009100	30 MT	0.590 KG	WHITE		#16 STR TFE WHT
83030 0091000	305 MT	5.443 KG	WHITE	S W	#16 STR TFE WHT
83030 009500	152 MT	2.722 KG	WHITE	S W	#16 STR TFE WHT
83030 010100	30 MT	0.590 KG	BLACK		#16 STR TFE BLK
83030 0101000	305 MT	5.443 KG	BLACK	S W	#16 STR TFE BLK
83030 010500	152 MT	2.722 KG	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'

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

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83030 Hook-up/Lead - UL AWM Style 1180

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