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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 (in.)
TFE - Tetrafluoroethylene	.015

### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 0.088 in.

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 11 lbs/1000 ft.

## 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/1000 ft)
4.000

Max. Operating Voltage - UL:

Voltage	Description
300V RMS	UL AWM 1180

Max. Operating Voltage - Other:

Voltage	Description
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# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 83030 Hook-up/Lead - UL AWM Style 1180

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	100 FT	1.300 LB	BROWN		#16 STR TFE BRN
83030 0011000	1,000 FT	12.000 LB	BROWN	S W	#16 STR TFE BRN
83030 002100	100 FT	1.300 LB	RED		#16 STR TFE RED
83030 0021000	1,000 FT	12.000 LB	RED	S W	#16 STR TFE RED
83030 003100	100 FT	1.300 LB	ORANGE		#16 STR TFE ORG
83030 0031000	1,000 FT	12.000 LB	ORANGE	S W	#16 STR TFE ORG
83030 004100	100 FT	1.300 LB	YELLOW		#16 STR TFE YEL
83030 0041000	1,000 FT	12.000 LB	YELLOW	S W	#16 STR TFE YEL
83030 005100	100 FT	1.300 LB	GREEN, DARK		#16 STR TFE GRNDK
83030 0051000	1,000 FT	12.000 LB	GREEN, DARK	S W	#16 STR TFE GRNDK
83030 006100	100 FT	1.300 LB	BLUE, LIGHT		#16 STR TFE BLULT
83030 0061000	1,000 FT	12.000 LB	BLUE, LIGHT	S W	#16 STR TFE BLULT
83030 007100	100 FT	1.300 LB	VIOLET		#16 STR TFE VIO
83030 0071000	1,000 FT	12.000 LB	VIOLET	S W	#16 STR TFE VIO
83030 008100	100 FT	1.300 LB	GRAY		#16 STR TFE GRY
83030 0081000	1,000 FT	12.000 LB	GRAY	S W	#16 STR TFE GRY
83030 009100	100 FT	1.300 LB	WHITE		#16 STR TFE WHT
83030 0091000	1,000 FT	12.000 LB	WHITE	S W	#16 STR TFE WHT
83030 009500	500 FT	6.000 LB	WHITE	S W	#16 STR TFE WHT
83030 010100	100 FT	1.300 LB	BLACK		#16 STR TFE BLK
83030 0101000	1,000 FT	12.000 LB	BLACK	S W	#16 STR TFE BLK
83030 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'

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