

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	18	19x30	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: 1.981 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 12.650 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)
18.866

#### Max. Operating Voltage - UL:

Voltage	Description
300V RMS	UL AWM 1180

#### Max. Operating Voltage - Other:

Voltage	Description
1000 Vrms	Mil-W-16878/5

#### Max. Recommended Current:

Description	Current
Mil-Std-975M Table 3.16 (single wire)	9.2 A

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83029 001100	30 MT	0.408 KG	BROWN		#18 STR TFE BRN
83029 0011000	305 MT	4.536 KG	BROWN	S W	#18 STR TFE BRN
83029 002100	30 MT	0.408 KG	RED		#18 STR TFE RED
83029 0021000	305 MT	4.536 KG	RED	S W	#18 STR TFE RED
83029 002500	152 MT	2.268 KG	RED	S W	#18 STR TFE RED
83029 003100	30 MT	0.408 KG	ORANGE		#18 STR TFE ORG
83029 0031000	305 MT	4.536 KG	ORANGE	S W	#18 STR TFE ORG
83029 004100	30 MT	0.408 KG	YELLOW		#18 STR TFE YEL
83029 0041000	305 MT	4.536 KG	YELLOW	S W	#18 STR TFE YEL
83029 005100	30 MT	0.408 KG	GREEN, DARK		#18 STR TFE GRNDK
83029 0051000	305 MT	4.536 KG	GREEN, DARK	S W	#18 STR TFE GRNDK
83029 005500	152 MT	2.268 KG	GREEN, DARK	S W	#18 STR TFE GRNDK
83029 006100	30 MT	0.408 KG	BLUE, LIGHT		#18 STR TFE BLULT
83029 0061000	305 MT	4.536 KG	BLUE, LIGHT	S W	#18 STR TFE BLULT
83029 006500	152 MT	2.268 KG	BLUE, LIGHT	S W	#18 STR TFE BLULT
83029 007100	30 MT	0.408 KG	VIOLET		#18 STR TFE VIO
83029 0071000	305 MT	4.536 KG	VIOLET	S W	#18 STR TFE VIO
83029 008100	30 MT	0.408 KG	GRAY		#18 STR TFE GRY
83029 0081000	305 MT	4.536 KG	GRAY	S W	#18 STR TFE GRY
83029 009100	30 MT	0.408 KG	WHITE		#18 STR TFE WHT
83029 0091000	305 MT	4.536 KG	WHITE	S W	#18 STR TFE WHT
83029 009500	152 MT	2.268 KG	WHITE	S W	#18 STR TFE WHT
83029 010100	30 MT	0.408 KG	BLACK		#18 STR TFE BLK
83029 0101000	305 MT	4.536 KG	BLACK	S W	#18 STR TFE BLK
83029 010500	152 MT	2.268 KG	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 75'

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 Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the

## **83029 Hook-up/Lead - UL AWM Style 1180**

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