

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'

Revision Number: 3    Revision Date: 08-30-2013

© 2013 Belden, Inc  
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.  
 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

compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.