# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



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

For more Information please call

1-800-Belden1



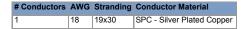
## **General Description:**

Stranded silver-coated copper conductor insulation with extruded TFE Teflon.

## **Physical Characteristics (Overall)**

Conductor

AWG:



Total Number of Conductors:

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)		
TFE - Tetrafluoroethylene	.015		

## **Overall Insulation**

**Overall Cable** 

Overall Nominal Diameter: 0.078 in.

## **Mechanical Characteristics (Overall)**

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

 Bulk Cable Weight:
 8.500 lbs/1000 ft.

## **Applicable Specifications and Agency Compliance (Overall)**

## Applicable Standards & Environmental Programs

oplicable 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
ame Test	
UL Flame Test:	VW-1
enum/Non-Plenum	
Plenum (Y/N):	No

# **Electrical Characteristics (Overall)**

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 5.750

Max. Operating Voltage - UL:

Voltage Description
300V RMS UL AWM 1180

Max. Operating Voltage - Other:

Voltage Description

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1000 Vrms | Mil-W-16878/5

Max. Recommended Current:

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	100 FT	0.900 LB	BROWN		#18 STR TFE BRN
83029 0011000	1,000 FT	10.000 LB	BROWN	SW	#18 STR TFE BRN
83029 002100	100 FT	0.900 LB	RED		#18 STR TFE RED
83029 0021000	1,000 FT	10.000 LB	RED	SW	#18 STR TFE RED
83029 002500	500 FT	5.000 LB	RED	SW	#18 STR TFE RED
83029 003100	100 FT	0.900 LB	ORANGE		#18 STR TFE ORG
83029 0031000	1,000 FT	10.000 LB	ORANGE	S W	#18 STR TFE ORG
83029 004100	100 FT	0.900 LB	YELLOW		#18 STR TFE YEL
83029 0041000	1,000 FT	10.000 LB	YELLOW	S W	#18 STR TFE YEL
83029 005100	100 FT	0.900 LB	GREEN, DARK		#18 STR TFE GRNDK
83029 0051000	1,000 FT	10.000 LB	GREEN, DARK	S W	#18 STR TFE GRNDK
83029 005500	500 FT	5.000 LB	GREEN, DARK	SW	#18 STR TFE GRNDK
83029 006100	100 FT	0.900 LB	BLUE, LIGHT		#18 STR TFE BLULT
83029 0061000	1,000 FT	10.000 LB	BLUE, LIGHT	S W	#18 STR TFE BLULT
83029 006500	500 FT	5.000 LB	BLUE, LIGHT	S W	#18 STR TFE BLULT
83029 007100	100 FT	0.900 LB	VIOLET		#18 STR TFE VIO
83029 0071000	1,000 FT	10.000 LB	VIOLET	SW	#18 STR TFE VIO
83029 008100	100 FT	0.900 LB	GRAY		#18 STR TFE GRY
83029 0081000	1,000 FT	10.000 LB	GRAY	SW	#18 STR TFE GRY
83029 0091000	1,000 FT	10.000 LB	WHITE	S W	#18 STR TFE WHT
83029 009500	500 FT	5.000 LB	WHITE	S W	#18 STR TFE WHT
83029 010100	100 FT	0.900 LB	BLACK		#18 STR TFE BLK
83029 0101000	1,000 FT	10.000 LB	BLACK	S W	#18 STR TFE BLK
83029 010500	500 FT	5.000 LB	BLACK	SW	#18 STR TFE BLK

#### Notes:

S = STRIPING ADDERS FOR TYPES E AND EE: 123 STRIPES. MINIMUM ORDER10 W = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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