# **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**



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

For more Information please call

1-800-Belden1



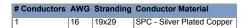
#### **General Description:**

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

## **Physical Characteristics (Overall)**

Conductor

AWG:



**Total Number of Conductors:** 

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

Αþ	Applicable Standards & Environmental Frograms						
	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					
Fla	me 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

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1000V RMS Mil-W-16878/5

Max. Recommended Current:

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	SW	#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	SW	#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	SW	#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	SW	#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	SW	#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	SW	#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	SW	#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	SW	#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	SW	#16 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: 2 Revision Date: 08-30-2013

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