# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



## 83009 Hook-up/Lead - UL AWM Style 1371

For more Information please call

1-800-Belden1



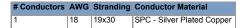
#### **General Description:**

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 (mm)
TFE - Tetrafluoroethylene	0.2794

#### **Overall Insulation**

**Overall Cable** 

Overall Nominal Diameter: 1.727 mm

#### **Mechanical Characteristics (Overall)**

**Operating Temperature Range:** -70°C To +200°C Bulk Cable Weight: 11.906 Kg/Km

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

# **Applicable Standards & Environmental Programs**

plicable Standards & Environmental Programs		
UL Rating:	105°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-16878/4 (Except For Stranding)	
MIL Spec Rating:	600 V, 200°C	
me Test		
UL Flame Test:	VW-1	
num/Non-Plenum		
Plenum (Y/N):	No	

### **Electrical Characteristics (Overall)**

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Max. Operating Voltage - Other:

Voltage Description 600 VRMS Mil-W-16878/4

Max. Recommended Current: Description

Current

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Mil-Std-975M Table 3.16 (single wire) 9.2 amps

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83009 001100	100 FT	0.900 LB	BROWN		#18 STR TFE BRN
83009 0011000	1,000 FT	9.000 LB	BROWN	SW	#18 STR TFE BRN
83009 001500	500 FT	4.000 LB	BROWN	SW	#18 STR TFE BRN
83009 002100	100 FT	0.900 LB	RED		#18 STR TFE RED
83009 0021000	1,000 FT	9.000 LB	RED	SW	#18 STR TFE RED
83009 002500	500 FT	4.000 LB	RED	SW	#18 STR TFE RED
83009 003100	100 FT	0.900 LB	ORANGE		#18 STR TFE ORG
83009 0031000	1,000 FT	9.000 LB	ORANGE	SW	#18 STR TFE ORG
83009 003500	500 FT	4.000 LB	ORANGE	SW	#18 STR TFE ORG
83009 004100	100 FT	0.900 LB	YELLOW		#18 STR TFE YEL
83009 0041000	1,000 FT	9.000 LB	YELLOW	SW	#18 STR TFE YEL
83009 004500	500 FT	4.000 LB	YELLOW	SW	#18 STR TFE YEL
83009 005100	100 FT	0.900 LB	GREEN, DARK		#18 STR TFE GRNDK
83009 0051000	1,000 FT	9.000 LB	GREEN, DARK	SW	#18 STR TFE GRNDK
83009 005500	500 FT	4.000 LB	GREEN, DARK	SW	#18 STR TFE DGRN
83009 006100	100 FT	0.900 LB	BLUE, LIGHT		#18 STR TFE BLULT
83009 0061000	1,000 FT	9.000 LB	BLUE, LIGHT	SW	#18 STR TFE BLULT
83009 006500	500 FT	4.000 LB	BLUE, LIGHT	SW	#18 STR TFE BLULT
83009 007100	100 FT	0.900 LB	VIOLET		#18 STR TFE VIO
83009 0071000	1,000 FT	9.000 LB	VIOLET	SW	#18 STR TFE VIO
83009 007500	500 FT	4.000 LB	VIOLET	SW	#18 STR TFE VIO
83009 008100	100 FT	0.900 LB	GRAY		#18 STR TFE GRY
83009 0081000	1,000 FT	9.000 LB	GRAY	SW	#18 STR TFE GRY
83009 008500	500 FT	4.000 LB	GRAY	SW	#18 STR TFE GRY
83009 009100	100 FT	0.900 LB	WHITE		#18 STR TFE WHT
83009 0091000	1,000 FT	9.000 LB	WHITE	SW	#18 STR TFE WHT
83009 009500	500 FT	4.000 LB	WHITE	SW	#18 STR TFE WHT
83009 010100	100 FT	0.900 LB	BLACK		#18 STR TFE BLK
83009 0101000	1,000 FT	9.000 LB	BLACK	SW	#18 STR TFE BLK
83009 010500	500 FT	4.000 LB	BLACK	SW	#18 STR TFE BLK

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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