

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	20	19x32	SPC - Silver Plated Copper

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (mm)
TFE - Tetrafluoroethylene	0.229

### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 1.473 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 7.441 Kg/Km

## Applicable Specifications and Agency Compliance (Overall)

### Applicable 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

### 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)
29.529

**Max. Operating Voltage - Other:**

Voltage	Description
600 VRMS	Mil-W-16878/4

**Max. Recommended Current:**

Description	Current
Mil-Std-975M Table 3.16 (single wire)	6.5 amps

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83007 001100	100 FT	0.400 LB	BROWN		#20 STR TFE BRN
83007 0011000	1,000 FT	6.000 LB	BROWN	S W	#20 STR TFE BRN
83007 002100	100 FT	0.400 LB	RED		#20 STR TFE RED
83007 0021000	1,000 FT	6.000 LB	RED	S W	#20 STR TFE RED
83007 002500	500 FT	3.000 LB	RED	S W	#20 STR TFE RED
83007 003100	100 FT	0.400 LB	ORANGE		#20 STR TFE ORG
83007 0031000	1,000 FT	6.000 LB	ORANGE	S W	#20 STR TFE ORG
83007 004100	100 FT	0.400 LB	YELLOW		#20 STR TFE YEL
83007 0041000	1,000 FT	6.000 LB	YELLOW	S W	#20 STR TFE YEL
83007 005100	100 FT	0.400 LB	GREEN, DARK		#20 STR TFE GRNDK
83007 0051000	1,000 FT	6.000 LB	GREEN, DARK	S W	#20 STR TFE GRNDK
83007 006100	100 FT	0.400 LB	BLUE, LIGHT		#20 STR TFE BLULT
83007 0061000	1,000 FT	6.000 LB	BLUE, LIGHT	S W	#20 STR TFE BLULT
83007 006500	500 FT	3.000 LB	BLUE, LIGHT	S W	#20 STR TFE BLULT
83007 007100	100 FT	0.400 LB	VIOLET		#20 STR TFE VIO
83007 0071000	1,000 FT	6.000 LB	VIOLET	S W	#20 STR TFE VIO
83007 008100	100 FT	0.400 LB	GRAY		#20 STR TFE GRY
83007 0081000	1,000 FT	6.000 LB	GRAY	S W	#20 STR TFE GRY
83007 009100	100 FT	0.400 LB	WHITE		#20 STR TFE WHT
83007 0091000	1,000 FT	6.000 LB	WHITE	S W	#20 STR TFE WHT
83007 009500	500 FT	3.000 LB	WHITE	S W	#20 STR TFE WHT
83007 010100	100 FT	0.400 LB	BLACK		#20 STR TFE BLK
83007 0101000	1,000 FT	6.000 LB	BLACK	S W	#20 STR TFE BLK
83007 010500	500 FT	3.000 LB	BLACK	S W	#20 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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