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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	22	7x30	SPC - Silver Plated Copper

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
TFE - Tetrafluoroethylene	.010

### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 0.050 in.

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 4 lbs/1000 ft.

## 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

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/1000 ft)

15.250

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)	4.5 amps
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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83005 001100	100 FT	0.400 LB	BROWN	E	#22 STR TFE BRN
83005 0011000	1,000 FT	4.000 LB	BROWN	E S	#22 STR TFE BRN
83005 002100	100 FT	0.400 LB	RED	E	#22 STR TFE RED
83005 0021000	1,000 FT	4.000 LB	RED	E S	#22 STR TFE RED
83005 003100	100 FT	0.400 LB	ORANGE	E	#22 STR TFE ORG
83005 0031000	1,000 FT	4.000 LB	ORANGE	E S	#22 STR TFE ORG
83005 004100	100 FT	0.400 LB	YELLOW	E	#22 STR TFE YEL
83005 0041000	1,000 FT	4.000 LB	YELLOW	E S	#22 STR TFE YEL
83005 005100	100 FT	0.400 LB	GREEN, DARK	E	#22 STR TFE GRNDK
83005 0051000	1,000 FT	4.000 LB	GREEN, DARK	E S	#22 STR TFE GRNDK
83005 006100	100 FT	0.400 LB	BLUE, LIGHT	E	#22 STR TFE BLULT
83005 0061000	1,000 FT	4.000 LB	BLUE, LIGHT	E S	#22 STR TFE BLULT
83005 007100	100 FT	0.400 LB	VIOLET	E	#22 STR TFE VIO
83005 0071000	1,000 FT	4.000 LB	VIOLET	E S	#22 STR TFE VIO
83005 008100	100 FT	0.400 LB	GRAY	E	#22 STR TFE GRY
83005 0081000	1,000 FT	4.000 LB	GRAY	E S	#22 STR TFE GRY
83005 009100	100 FT	0.400 LB	WHITE	E	#22 STR TFE WHT
83005 0091000	1,000 FT	4.000 LB	WHITE	E S	#22 STR TFE WHT
83005 010100	100 FT	0.400 LB	BLACK	E	#22 STR TFE BLK
83005 0101000	1,000 FT	4.000 LB	BLACK		#22 STR TFE BLK

**Notes:**

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'  
 S = STRIPING ADDERS FOR TYPES E AND EE: 123 STRIPES. MINIMUM ORDER 10

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