

For more Information  
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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 (mm)
TFE - Tetrafluoroethylene	0.254

#### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 1.270 mm

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 5.953 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
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)
50.035

#### 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)	4.5 amps

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83005 001100	30 MT	0.181 KG	BROWN	E	#22 STR TFE BRN
83005 0011000	305 MT	1.814 KG	BROWN	E S	#22 STR TFE BRN
83005 002100	30 MT	0.181 KG	RED	E	#22 STR TFE RED
83005 0021000	305 MT	1.814 KG	RED	E S	#22 STR TFE RED
83005 003100	30 MT	0.181 KG	ORANGE	E	#22 STR TFE ORG
83005 0031000	305 MT	1.814 KG	ORANGE	E S	#22 STR TFE ORG
83005 004100	30 MT	0.181 KG	YELLOW	E	#22 STR TFE YEL
83005 0041000	305 MT	1.814 KG	YELLOW	E S	#22 STR TFE YEL
83005 005100	30 MT	0.181 KG	GREEN, DARK	E	#22 STR TFE GRNDK
83005 0051000	305 MT	1.814 KG	GREEN, DARK	E S	#22 STR TFE GRNDK
83005 006100	30 MT	0.181 KG	BLUE, LIGHT	E	#22 STR TFE BLULT
83005 0061000	305 MT	1.814 KG	BLUE, LIGHT	E S	#22 STR TFE BLULT
83005 007100	30 MT	0.181 KG	VIOLET	E	#22 STR TFE VIO
83005 0071000	305 MT	1.814 KG	VIOLET	E S	#22 STR TFE VIO
83005 008100	30 MT	0.181 KG	GRAY	E	#22 STR TFE GRY
83005 0081000	305 MT	1.814 KG	GRAY	E S	#22 STR TFE GRY
83005 009100	30 MT	0.181 KG	WHITE	E	#22 STR TFE WHT
83005 0091000	305 MT	1.814 KG	WHITE	E S	#22 STR TFE WHT
83005 010100	30 MT	0.181 KG	BLACK	E	#22 STR TFE BLK
83005 0101000	305 MT	1.814 KG	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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