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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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#### Как с нами связаться

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