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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            | 24  | 19x36     | 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: 1.118 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 2.976 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:               | 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) |
|---------------------|
| 78.744              |

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) 3.3 amps

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color       | Notes | Item Desc               |
|---------------|----------|-------------|-------------|-------|-------------------------|
| 83003 001100  | 100 FT   | 0.300 LB    | BROWN       | E     | #24 STR TFE BRN         |
| 83003 0011000 | 1,000 FT | 3.000 LB    | BROWN       | E     | #24 19/36 STR TFE BRN   |
| 83003 002100  | 100 FT   | 0.300 LB    | RED         | E     | #24 STR TFE RED         |
| 83003 0021000 | 1,000 FT | 3.000 LB    | RED         |       | #24 19/36 STR TFE RED   |
| 83003 002500  | 500 FT   | 1.500 LB    | RED         | E S   | #24 STR TFE RED         |
| 83003 003100  | 100 FT   | 0.300 LB    | ORANGE      | E     | #24 STR TFE ORG         |
| 83003 0031000 | 1,000 FT | 3.000 LB    | ORANGE      | E S   | #24 19/36 STR TFE ORG   |
| 83003 003500  | 500 FT   | 1.500 LB    | ORANGE      | E S   | #24 STR TFE ORG         |
| 83003 004100  | 100 FT   | 0.300 LB    | YELLOW      | E     | #24 STR TFE YEL         |
| 83003 0041000 | 1,000 FT | 3.000 LB    | YELLOW      | E S   | #24 19/36 STR TFE YEL   |
| 83003 004500  | 500 FT   | 1.500 LB    | YELLOW      | E S   | #24 STR TFE YEL         |
| 83003 005100  | 100 FT   | 0.300 LB    | GREEN, DARK | E     | #24 STR TFE GRNDK       |
| 83003 0051000 | 1,000 FT | 3.000 LB    | GREEN, DARK | E S   | #24 19/36 STR TFE GRNDK |
| 83003 005500  | 500 FT   | 1.500 LB    | GREEN, DARK | E S   | #24 STR TFE GRNDK       |
| 83003 006100  | 100 FT   | 0.300 LB    | BLUE, LIGHT | E     | #24 STR TFE BLULT       |
| 83003 0061000 | 1,000 FT | 3.000 LB    | BLUE, LIGHT | E S   | #24 19/36 STR TFE BLULT |
| 83003 006500  | 500 FT   | 1.500 LB    | BLUE, LIGHT | E S   | #24 STR TFE BLULT       |
| 83003 007100  | 100 FT   | 0.300 LB    | VIOLET      | E     | #24 STR TFE VIO         |
| 83003 0071000 | 1,000 FT | 3.000 LB    | VIOLET      | E S   | #24 19/36 STR TFE VIO   |
| 83003 008100  | 100 FT   | 0.300 LB    | GRAY        | E     | #24 STR TFE GRY         |
| 83003 0081000 | 1,000 FT | 3.000 LB    | GRAY        | E S   | #24 19/36 STR TFE GRY   |
| 83003 009100  | 100 FT   | 0.300 LB    | WHITE       | E     | #24 STR TFE WHT         |
| 83003 0091000 | 1,000 FT | 3.000 LB    | WHITE       | E S   | #24 19/36 STR TFE WHT   |
| 83003 009500  | 500 FT   | 1.500 LB    | WHITE       | E S   | #24 STR TFE WHT         |
| 83003 010100  | 100 FT   | 0.300 LB    | BLACK       | E     | #24 STR TFE BLK         |
| 83003 0101000 | 1,000 FT | 3.000 LB    | BLACK       | E S   | #24 19/36 STR TFE BLK   |
| 83003 010500  | 500 FT   | 1.500 LB    | BLACK       | E S   | #24 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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