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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 | 16 | 19x29 | SPC - Silver Plated Copper |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------------|----------------------|
| TFE - Tetrafluoroethylene | 0.011 |

Overall Insulation

Overall Cable

Overall Nominal Diameter: 0.077 in.

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 10 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 (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/1000 ft) |
|--------------------------|
| 4.000 |

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) | 13 amps

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------------|-------|-------------------|
| 83010 001100 | 100 FT | 1.200 LB | BROWN | | #16 STR TFE BRN |
| 83010 0011000 | 1,000 FT | 11.000 LB | BROWN | S W Z | #16 STR TFE BRN |
| 83010 001500 | 500 FT | 6.000 LB | BROWN | S W | #16 STR TFE BRN |
| 83010 002100 | 100 FT | 1.200 LB | RED | | #16 STR TFE RED |
| 83010 0021000 | 1,000 FT | 11.000 LB | RED | S W | #16 STR TFE RED |
| 83010 002500 | 500 FT | 6.000 LB | RED | S W | #16 STR TFE RED |
| 83010 003100 | 100 FT | 1.200 LB | ORANGE | | #16 STR TFE ORG |
| 83010 0031000 | 1,000 FT | 11.000 LB | ORANGE | S W | #16 STR TFE ORG |
| 83010 003500 | 500 FT | 6.000 LB | ORANGE | S W | #16 STR TFE ORG |
| 83010 004100 | 100 FT | 1.200 LB | YELLOW | | #16 STR TFE YEL |
| 83010 0041000 | 1,000 FT | 11.000 LB | YELLOW | S W | #16 STR TFE YEL |
| 83010 004500 | 500 FT | 6.000 LB | YELLOW | S W | #16 STR TFE YEL |
| 83010 005100 | 100 FT | 1.200 LB | GREEN, DARK | | #16 STR TFE GRNDK |
| 83010 0051000 | 1,000 FT | 11.000 LB | GREEN, DARK | S W | #16 STR TFE GRNDK |
| 83010 005500 | 500 FT | 6.000 LB | GREEN, DARK | S W | #16 STR TFE GRNDK |
| 83010 006100 | 100 FT | 1.200 LB | BLUE, LIGHT | | #16 STR TFE BLULT |
| 83010 0061000 | 1,000 FT | 11.000 LB | BLUE, LIGHT | S W | #16 STR TFE BLULT |
| 83010 006500 | 500 FT | 6.000 LB | BLUE, LIGHT | S W | #16 STR TFE LBLU |
| 83010 007100 | 100 FT | 1.200 LB | VIOLET | | #16 STR TFE VIO |
| 83010 007500 | 500 FT | 6.000 LB | VIOLET | S W | #16 STR TFE VIO |
| 83010 008100 | 100 FT | 1.200 LB | GRAY | | #16 STR TFE GRY |
| 83010 0081000 | 1,000 FT | 11.000 LB | GRAY | S W | #16 STR TFE GRY |
| 83010 008500 | 500 FT | 6.000 LB | GRAY | S W | #16 STR TFE GRY |
| 83010 009100 | 100 FT | 1.200 LB | WHITE | | #16 STR TFE WHT |
| 83010 0091000 | 1,000 FT | 11.000 LB | WHITE | S W | #16 STR TFE WHT |
| 83010 009500 | 500 FT | 6.000 LB | WHITE | S W | #16 STR TFE WHT |
| 83010 010100 | 100 FT | 1.200 LB | BLACK | | #16 STR TFE BLK |
| 83010 0101000 | 1,000 FT | 11.000 LB | BLACK | S W | #16 STR TFE BLK |
| 83010 010500 | 500 FT | 6.000 LB | BLACK | S W | #16 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'

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 08-30-2013

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Mouser Electronics

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