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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            | 20  | 7x28      | SPC - Silver Plated Copper |

Total Number of Conductors: 1

### Insulation

Insulation Material:

| Insulation Material       | Wall Thickness (in.) |
|---------------------------|----------------------|
| TFE - Tetrafluoroethylene | .015                 |

### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 0.068 in.

## Mechanical Characteristics (Overall)

Bulk Cable Weight: 6.900 lbs/1000 ft.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

|                                       |                  |
|---------------------------------------|------------------|
| UL AWM Style:                         | 1180             |
| UL Rating:                            | 300 V RMS, 200°C |
| EU Directive 2011/65/EU (ROHS II):    | Yes              |
| Other Standards:                      | MIL-W-16878/5    |
| 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              |
| MIL Order #39 (China RoHS):           | Yes              |
| Military Specification:               | 1000 V, 200°C    |

### Flame Test

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

Max. Recommended Current:

| Description                           | Current  |
|---------------------------------------|----------|
| Mil-Std-975M Table 3.16 (Single wire) | 6.5 amps |

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc       |
|--------------|----------|-------------|-------|-------|-----------------|
| 83028 002100 | 100 FT   | 0.600 LB    | RED   |       | #20 STR TFE RED |
| 83028 002100 | 1,000 FT | 7.000 LB    | RED   | S W   | #20 STR TFE RED |

## 83028 Hook-up/Lead - UL AWM Style 1180

|               |          |          |             |     |                   |
|---------------|----------|----------|-------------|-----|-------------------|
| 83028 003100  | 100 FT   | 0.600 LB | ORANGE      |     | #20 STR TFE ORG   |
| 83028 0031000 | 1,000 FT | 7.000 LB | ORANGE      | S W | #20 STR TFE ORG   |
| 83028 005100  | 100 FT   | 0.600 LB | GREEN, DARK |     | #20 STR TFE GRNDK |
| 83028 0051000 | 1,000 FT | 7.000 LB | GREEN, DARK | S W | #20 STR TFE GRNDK |
| 83028 006100  | 100 FT   | 0.600 LB | BLUE, LIGHT |     | #20 STR TFE BLULT |
| 83028 0061000 | 1,000 FT | 7.000 LB | BLUE, LIGHT | S W | #20 STR TFE BLULT |
| 83028 009100  | 100 FT   | 0.600 LB | WHITE       |     | #20 STR TFE WHT   |
| 83028 0091000 | 1,000 FT | 7.000 LB | WHITE       | S W | #20 STR TFE WHT   |
| 83028 010100  | 100 FT   | 0.600 LB | BLACK       |     | #20 STR TFE BLK   |
| 83028 0101000 | 1,000 FT | 7.000 LB | BLACK       | S W | #20 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'

Revision Number: 1    Revision Date: 10-03-2016

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