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1-800-Belden1



## Description:

18 AWG bare copper conductor, foam FEP insulation, bare copper braid shield, Flammarrest® jacket, sequential footage marking every two feet.

## Usage (Overall)

Suitable Applications: CCTV

## Physical Characteristics (Overall)

### Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1      | 18  | Solid     | BC - Bare Copper   | .040       |

### Insulation

Insulation Material:

| Insulation Material                        | Dia. (in.) |
|--|------------|
| FFEP - Foam Fluorinated Ethylene Propylene | .170       |

### Outer Shield

Outer Shield Material:

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper      | 95           |

### Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material                 |
|-------------------------|---------------------------------------|
| Flammarrest®            | LS PVC - Low Smoke Polyvinyl Chloride |

### Overall Cable

Overall Nominal Diameter: 0.228 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 38 lbs/1000 ft.

Max. Recommended Pulling Tension: 84 lbs.

Min. Bend Radius/Minor Axis: 2.250 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

NEC Articles: 800

CEC/C(UL) Specification: CMP

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        |
| RG Type:                              | 6/U        |
| Series Type:                          | Series 6   |

### Flame Test

|                   |          |
|-------------------|----------|
| UL Flame Test:    | NFPA 262 |
| C(UL) Flame Test: | FT6      |

### Plenum/Non-Plenum

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance (µH/ft)

.097

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.3

### Nominal Velocity of Propagation:

VP (%)

83

### Nominal Delay:

Delay (ns/ft)

1.24

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.4

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.2

### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

|      |      |
|------|------|
| 1    | 0.24 |
| 3    | 0.45 |
| 5    | 0.55 |
| 8    | 0.70 |
| 10   | 0.85 |
| 50   | 1.50 |
| 100  | 2.1  |
| 200  | 3.1  |
| 400  | 4.7  |
| 700  | 6.8  |
| 900  | 8.0  |
| 1000 | 8.5  |

**Max. Operating Voltage - UL:**

|                |
|----------------|
| <b>Voltage</b> |
| 300 V RMS      |

**Put Ups and Colors:**

| Item #          | Putup    | Ship Weight | Color   | Notes | Item Desc       |
|-----------------|----------|-------------|---------|-------|-----------------|
| 633948 0071000  | 1,000 FT | 42.000 LB   | VIOLET  | C     | #18 FFEP SH PVC |
| 633948 008U1000 | 1,000 FT | 36.000 LB   | GRAY    |       | #18 FFEP SH PVC |
| 633948 009U1000 | 1,000 FT | 36.000 LB   | WHITE   |       | #18 FFEP SH PVC |
| 633948 010U1000 | 1,000 FT | 36.000 LB   | BLACK   |       | #18 FFEP SH PVC |
| 633948 877U1000 | 1,000 FT | 36.000 LB   | NATURAL |       | #18 FFEP SH PVC |
| 633948 877U500  | 500 FT   | 18.500 LB   | NATURAL |       | #18 FFEP SH PVC |
| 633948 8771000  | 1,000 FT | 42.000 LB   | NATURAL | C     | #18 FFEP SH PVC |
| 633948 877500   | 500 FT   | 20.500 LB   | NATURAL | C     | #18 FFEP SH PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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#### Как с нами связаться

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