

For more Information  
please call

1-800-Belden1



## General Description:

Surveillance & CCTV Cable, RG6, Plenum-CMP, 18 AWG solid bare copper, foamed FEP core, 95% bare copper braid, Flamarrest® jacket

## 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
Flamarrest®	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 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

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:**

Voltage

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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