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1-800-Belden1



## General Description:

Surveillance & CCTV Cable, mini-RG59, Plenum-CMP, 25 AWG solid bare copper, foamed FEP core, 95% bare copper braid, Flamarrest® jacket

## Usage (Overall)

Suitable Applications: Analog Video, CCTV

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	25	Solid	BC - Bare Copper	.018

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.078

### 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: 0.146 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 17 lbs/1000 ft.

Max. Recommended Pulling Tension: 28 lbs.

Min. Bend Radius/Minor Axis: 1.500 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): 12/01/2005

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: Mini 59/U

Series Type: Series 59

**Flame Test**

UL Flame Test: NFPA 262

CSA Flame Test: FT6

**Suitability**

Suitability - Indoor: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

**Nom. Inductance:**

Inductance (µH/ft)

.109

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)

16.9

**Nominal Velocity of Propagation:**

VP (%)

80

**Nominal Delay:**

Delay (ns/ft)

1.27

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

31.0

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

5.5

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.45
5	.90
10	1.3
50	3.1
100	4.3
200	6.3
400	9.4
700	13.0
900	15.0
1000	16.0

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
673948 877U500	500 FT	9.000 LB	NATURAL		#25 FPFA BRD PVC
673948 8771000	1,000 FT	17.000 LB	NATURAL		#25 FPFA BRD PVC

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## **673948 Coax - CCTV Applications**

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