

**Part Number: 673948**

Surveillance CCTV, Mini-RG59 #25 BC, 95% BC Braid, CMP



## Product Description

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

## Technical Specifications

### Product Overview

Suitable Applications:	Analog Video, CCTV
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
25	Solid	BC - Bare Copper	0.018 in	1	1

Conductor Size:	25 AWG
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#### Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.078 in

#### Inner Shield Material

Layer
1

#### Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	BC - Bare Copper	95 %

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.146 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
31 Ohm/1000ft	31 Ohm/1000ft	5.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.9 pF/ft

Shielding:	Braid(s)
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#### Inductance

Nominal Inductance
0.109 µH/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.45 dB/100ft
5 MHz	0.9 dB/100ft
10 MHz	1.3 dB/100ft
50 MHz	3.1 dB/100ft
100 MHz	4.3 dB/100ft
200 MHz	6.3 dB/100ft
400 MHz	9.4 dB/100ft
700 MHz	13 dB/100ft
900 MHz	15 dB/100ft
1000 MHz	16 dB/100ft

### Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
80 ns/100m	1.27 ns/ft	80 %

### High Freq

Frequency [MHz]
1 MHz
5 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz
700 MHz
900 MHz
1000 MHz

### Voltage

UL Voltage Rating
300 V RMS

### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C

### Mechanical Characteristics

Bulk Cable Weight:	17 lbs/1000ft
Max Recommended Pulling Tension:	28 lbs
Min Bend Radius/Minor Axis:	1.5 in

### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
RG Type:	Mini 59/U Type
Series Type:	Series 59
RG / Series Type:	Series 59

### Applicable Environmental and Other Programs

EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-12-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

### Variants

Item #	Color
673948 8771000	Natural
673948 877U500	Natural

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