



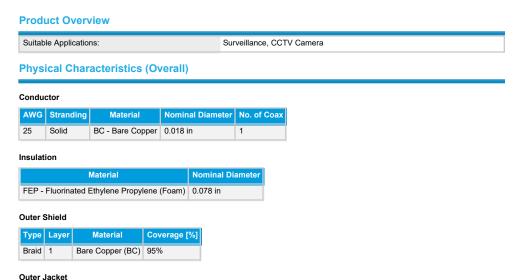
Product: <u>673948</u> ☑

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**



| Material                 | Material Trade Name | Nominal Diameter |
|--------------------------|---------------------|------------------|
| PVC - Polyvinyl Chloride | Flamarrest®         | 0.146 in         |

# **Electrical Characteristics**

#### Conductor DCR

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

#### Capacitance

Nom. Capacitance Conductor to Shield 16.8 pF/ft

## 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%                                      |

#### Voltage

UL Voltage Rating 300 V RMS

# **Temperature Range**

| UL Temp Rating:       | 75°C         |
|-----------------------|--------------|
| Operating Temp Range: | 0°C To +75°C |

## **Mechanical Characteristics**

| Bulk Cable Weight:           | 16 lbs/1000ft |
|------------------------------|---------------|
| Max. Pull Tension:           | 20 lbs        |
| Min. Bend Radius/Minor Axis: | 1.5 in        |

# Standards

| NEC/(UL) Compliance:  | CMP     |
|-----------------------|---------|
| CEC/C(UL) Compliance: | CMP     |
| RG Type:              | Mini 59 |

# **Applicable Environmental and Other Programs**

| EU Directive 2000/53/EC (ELV):    | Yes |
|-----------------------------------|-----|
| EU Directive 2003/11/EC (BFR):    | Yes |
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| EU Directive 2012/19/EU (WEEE):   | Yes |
| EU Directive Compliance:          | Yes |
| MII Order #39 (China RoHS):       | Yes |

# Suitability

| Suitability - Burial:              | No  |
|------------------------------------|-----|
| Suitability - Hazardous Locations: | No  |
| Suitability - Indoor:              | Yes |
| Suitability - Outdoor:             | No  |

# Flammability, LS0H, Toxicity Testing

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

# Plenum/Non-Plenum

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

## **Part Number**

| Non-Plenum Number: | 573945 |
|--------------------|--------|
|--------------------|--------|

## Variants

| Item #         | Color   | Put-Up Type | Length | UPC          |
|----------------|---------|-------------|--------|--------------|
| 673948 877U500 | Natural | UnReel      | 500 ft | 612825178941 |

| 673948 8771000 | Natural | Reel | 1,000 ft | 612825178958 |
|----------------|---------|------|----------|--------------|
|                |         |      |          |              |

## **History**

| Update and Revision: | Revision Number: 0.398 Revision Date: 12-15-2021 |
|----------------------|--|

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