



Product: [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: | Surveillance, CCTV Camera |
|------------------------|---------------------------|

Physical Characteristics (Overall)

Conductor

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

Insulation

| Material                                    | Nominal Diameter |
|---------------------------------------------|------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.078 in         |

Outer Shield Material

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

Outer Jacket Material

| Material                                | Material Trade Name | Nominal Diameter |
|-----------------------------------------|---------------------|------------------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | 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/U Type |

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 II):    | Yes        |
| EU Directive 2012/19/EU (WEEE):       | Yes        |
| EU Directive Compliance:              | Yes        |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-12-01 |
| MII Order #39 (China RoHS):           | Yes        |

Suitability

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

Flammability, LSOH, 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   | Putup Type | Length   | UPC          |
|----------------|---------|------------|----------|--------------|
| 673948 877U500 | Natural | UnReel     | 500 ft   | 612825178941 |
| 673948 8771000 | Natural | Reel       | 1,000 ft | 612825178958 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.310 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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