



Product: [551945](#)

Surveillance CCTV, RG-59 #22 BC, 93% BC Braid, CM

Product Description

Surveillance & CCTV Cable, RG59, Rated-CM, 22 AWG stranded bare copper, foam polyolefin core, 93% bare copper braid, PVC jacket

Technical Specifications

Product Overview

|                        |                           |
|------------------------|---------------------------|
| Suitable Applications: | Surveillance, CCTV Camera |
|------------------------|---------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 22  | 7x30      | BC - Bare Copper | 0.03 in          | 1           |

Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.14 in          |

|              |              |
|--------------|--------------|
| Table Notes: | Gas Injected |
|--------------|--------------|

Outer Shield Material

| Type  | Material         | Coverage [%] |
|-------|------------------|--------------|
| Braid | Bare Copper (BC) | 93%          |

Outer Jacket Material

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.232 in         |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--------------------------------------------|--------------------------|---------------------|
| 15 Ohm/1000ft         | 15 Ohm/1000ft                              | 2.6 Ohm/1000ft           | 2.6 Ohm/1000ft      |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 17.3 pF/ft                           |

Inductance

| Nominal Inductance |
|--------------------|
| 0.09 µH/ft         |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm                           |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz           | 0.3 dB/100ft        |
| 10 MHz          | 0.9 dB/100ft        |
| 50 MHz          | 2.1 dB/100ft        |
| 100 MHz         | 3 dB/100ft          |
| 200 MHz         | 4.5 dB/100ft        |
| 400 MHz         | 6.6 dB/100ft        |
| 700 MHz         | 8.9 dB/100ft        |
| 900 MHz         | 10.1 dB/100ft       |
| 1000 MHz        | 10.9 dB/100ft       |

Delay

| Max. Delay Skew | Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|-----------------|---------------|------------------------------------------|
| 78 ns/100m      | 1.3 ns/ft     | 78%                                      |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 75°C           |
| Operating Temp Range: | -40°C To +75°C |

Mechanical Characteristics

|                             |               |
|-----------------------------|---------------|
| Bulk Cable Weight:          | 28 lbs/1000ft |
| Max. Pull Tension:          | 49 lbs        |
| Min Bend Radius/Minor Axis: | 2.5 in        |

Dimensions (WxHxD)

| Width | Depth |
|-------|-------|
| 0.76  | 0.79  |

Standards

|                       |             |
|-----------------------|-------------|
| NEC Articles:         | Article 800 |
| NEC/(UL) Compliance:  | CM          |
| CEC/C(UL) Compliance: | CM          |
| RG Type:              | 59/U Type   |
| Series Type:          | 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 II):    | Yes        |
| EU Directive 2012/19/EU (WEEE):       | Yes        |
| EU Directive Compliance:              | Yes        |
| EU CE Mark:                           | Yes        |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS):           | Yes        |

Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | Yes |

Flammability, LS0H, Toxicity Testing

|                     |                   |
|---------------------|-------------------|
| C(UL) Flammability: | FT1               |
| UL Flammability:    | UL1685 UL Loading |
| UL voltage rating:  | 300 V RMS         |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item #         | Color | Putup Type | Length   | UPC          |
|----------------|-------|------------|----------|--------------|
| 551945 0101000 | Black | Reel       | 1,000 ft | 612825163992 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.307 Revision Date: 06-24-2020 |
|----------------------|--------------------------------------------------|

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