



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 μ H/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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