

Product: <u>1370R</u> ☑



Serial Digital Coax, RG59, #20 Solid BC, Foil + 85% TC Braid, CMR

Product Description

Video Cable, Riser-CMR, RG59, 20 AWG solid bare copper, foam polyethylene insulation, Duofoil®; 85% tinned copper braid, PVC jacket

Technical Specifications

Product Overview

| Suitable Applications: | | | | | | | Comme |
|-----------------------------------|-----------|--------|------------|----------|------------|-------|--------|
| Phys | ical Char | acteri | stics (O | /erall) | | | |
| Condu | ctor | | | | | | |
| AWG | Stranding | Ma | aterial | Nomina | l Diameter | No. o | f Coax |
| 20 | Solid | BC - B | are Copper | 0.032 in | | 1 | |
| Conductor Count: | | | | | 1 | | |
| Insulat | ion | | | | | | |
| Material Nominal Diameter | | | | | | | |
| PE - Polyethylene (Foam) 0.136 in | | | | | | | |

Gas Injected

Table Notes: Outer Shield

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|-------------------------------|---------------------|--------------|
| Tape | 1 | Tri-Laminate (Alum+Poly+Alum) | Duobond® II | 100% |
| Braid | 2 | Tinned Copper (TC) | | 85% |

Outer Jacket

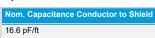
| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.202 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|--------------------------|--|--------------------------|---------------------|
| 10.1 Ohm/1000ft | 10.1 Ohm/1000ft | 4.1 Ohm/1000ft | 4.1 Ohm/1000ft |

Capacitance



Inductance

Nominal Inductance 0.107 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5-3000 MHz | 15 dB |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 0.3 dB/100ft |
| 3.6 MHz | 0.6 dB/100ft |
| 5 MHz | 0.63 dB/100ft |
| 6 MHz | 0.69 dB/100ft |
| 7 MHz | 0.74 dB/100ft |
| 10 MHz | 0.9 dB/100ft |
| 12 MHz | 0.91 dB/100ft |
| 25 MHz | 1.3 dB/100ft |
| 67.5 MHz | 2.05 dB/100ft |
| 71.5 MHz | 2.1 dB/100ft |
| 88.5 MHz | 2.2 dB/100ft |
| 100 MHz | 2.3 dB/100ft |
| 135 MHz | 2.7 dB/100ft |
| 143 MHz | 2.8 dB/100ft |
| 180 MHz | 3.1 dB/100ft |
| 270 MHz | 3.8 dB/100ft |
| 360 MHz | 4.4 dB/100ft |
| 540 MHz | 5.5 dB/100ft |
| 720 MHz | 6.4 dB/100ft |
| 750 MHz | 6.5 dB/100ft |
| 1000 MHz | 7.6 dB/100ft |
| 1500 MHz | 9.3 dB/100ft |
| 2000 MHz | 10.9 dB/100ft |
| 2250 MHz | 11.6 dB/100ft |
| 3000 MHz | 13.4 dB/100ft |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.21 ns/ft | 84% |

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: | 22 lbs/1000ft |
|------------------------------|---------------|
| Max. Pull Tension: | 57 lbs |
| Min. Bend Radius/Minor Axis: | 2 in |

Standards

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

Applicable Environmental and Other Programs

| Environmental Space: | Indoor - Riser |
|-----------------------------------|----------------|
| 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 |