

**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

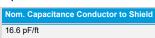
| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.202 in         |

## **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            |