


**Product:** [1370R](#) 

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: | Commercial Video |
|------------------------|------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 20  | Solid     | BC - Bare Copper | 0.032 in         | 1           |

|                  |   |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

#### Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.136 in         |

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

#### Outer Shield Material

| 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

| 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

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.6 pF/ft                           |

#### 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/U Type |

#### 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 II): | Yes            |
| EU Directive 2012/19/EU (WEEE):    | Yes            |

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2011-11-21                    |
| MII Order #39 (China RoHS):           | Yes                           |

## Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | No  |

## Flammability, LS0H, Toxicity Testing

|                    |                       |
|--------------------|-----------------------|
| UL Flammability:   | UL1666 Vertical Shaft |
| UL voltage rating: | 300 V RMS             |

## Plenum/Non-Plenum

|                |       |
|----------------|-------|
| Plenum (Y/N):  | No    |
| Plenum Number: | 1370P |

## Part Number

### Variants

| Item #        | Color       | Putup Type | Length   | UPC          |
|---------------|-------------|------------|----------|--------------|
| 1370R 010500  | Black       | Reel       | 500 ft   | 612825113515 |
| 1370R 0101000 | Black       | Reel       | 1,000 ft | 612825113508 |
| 1370R 006500  | Blue, Light | Reel       | 500 ft   | 612825113430 |
| 1370R 0061000 | Blue, Light | Reel       | 1,000 ft | 612825113423 |
| 1370R 001500  | Brown       | Reel       | 500 ft   | 612825113355 |
| 1370R 0011000 | Brown       | Reel       | 1,000 ft | 612825113348 |
| 1370R 008500  | Gray        | Reel       | 500 ft   | 612825113478 |
| 1370R 0081000 | Gray        | Reel       | 1,000 ft | 612825113461 |
| 1370R N3U500  | Green, Mil  | Reel       | 500 ft   | 612825113331 |
| 1370R N3U1000 | Green, Mil  | Reel       | 1,000 ft | 612825113324 |
| 1370R 003500  | Orange      | Reel       | 500 ft   | 612825113393 |
| 1370R 0031000 | Orange      | Reel       | 1,000 ft | 612825113386 |
| 1370R 002500  | Red         | Reel       | 500 ft   | 612825113379 |
| 1370R 0021000 | Red         | Reel       | 1,000 ft | 612825113362 |
| 1370R 007500  | Violet      | Reel       | 500 ft   | 612825113454 |
| 1370R 0071000 | Violet      | Reel       | 1,000 ft | 612825113447 |
| 1370R 009500  | White       | Reel       | 500 ft   | 612825113492 |
| 1370R 0091000 | White       | Reel       | 1,000 ft | 612825113485 |
| 1370R 004500  | Yellow      | Reel       | 500 ft   | 612825113416 |
| 1370R 0041000 | Yellow      | Reel       | 1,000 ft | 612825113409 |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.303 Revision Date: 09-30-2020 |
|----------------------|--|

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