



Product: [1370P](#)



Serial Digital Coax, RG59 Type, 20 AWG Solid BC, Foil + 85% TC Braid, CMP

Product Description

Video Cable, RG-59 Type 20 AWG solid bare copper, foam FEP insulation, Bonded Duofoil®+85% tinned copper braid, CMP Flamarrest® 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                                    | Material Trade Name | Nominal Diameter |
|---------------------------------------------|---------------------|------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | Teflon®             | 0.133 in         |

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                 | Material Trade Name | Nominal Diameter |
|--------------------------|---------------------|------------------|
| PVC - Polyvinyl Chloride | Flamarrest®         | 0.192 in         |

Electrical Characteristics

Conductor DCR

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

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.1 pF/ft                           |

Inductance

| Nominal Inductance |
|--------------------|
| 0.097 µH/ft        |

Impedance

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

Return Loss

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

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz           | 0.29 dB/100ft       |
| 3.58 MHz        | 0.62 dB/100ft       |
| 5 MHz           | 0.7 dB/100ft        |
| 7 MHz           | 0.82 dB/100ft       |
| 10 MHz          | 1.05 dB/100ft       |
| 67.5 MHz        | 2.2 dB/100ft        |
| 71.5 MHz        | 2.25 dB/100ft       |
| 100 MHz         | 2.7 dB/100ft        |
| 135 MHz         | 3.2 dB/100ft        |
| 143 MHz         | 3.25 dB/100ft       |
| 180 MHz         | 3.65 dB/100ft       |
| 270 MHz         | 4.55 dB/100ft       |
| 360 MHz         | 5.25 dB/100ft       |
| 540 MHz         | 6.4 dB/100ft        |
| 720 MHz         | 7.3 dB/100ft        |
| 750 MHz         | 7.5 dB/100ft        |
| 1000 MHz        | 9.4 dB/100ft        |
| 1500 MHz        | 12.8 dB/100ft       |
| 2250 MHz        | 17.5 dB/100ft       |
| 3000 MHz        | 21.9 dB/100ft       |

Delay

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

High Frequency

| Min. RL (Return Loss) [dB] |
|----------------------------|
| 15 dB                      |

Voltage

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

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Electrical Characteristics Notes: | Return Loss: Fixed bridge and termination |
|-----------------------------------|-------------------------------------------|

Temperature Range

|                              |              |
|------------------------------|--------------|
| UL Temperature Rating:       | 75°C         |
| Operating Temperature Range: | 0°C To +75°C |

Mechanical Characteristics

|                                      |               |
|--------------------------------------|---------------|
| Bulk Cable Weight:                   | 24 lbs/1000ft |
| Maximum Recommended Pulling Tension: | 37 lbs        |
| Minimum Minor Axis Bend Radius:      | 2 in          |

Standards

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

Applicable Environmental and Other Programs

|                                   |                               |
|-----------------------------------|-------------------------------|
| Environmental Space:              | Indoor - Plenum               |
| 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                           |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| MII Order #39 (China RoHS):       | Yes                           |

Suitability

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

Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | NFPA 262  |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Related Part Numbers

|                    |       |
|--------------------|-------|
| Non-Plenum Number: | 1370R |
|--------------------|-------|

Variants

| Item #        | Color       | Put-Up Type | Length   | UPC          |
|---------------|-------------|-------------|----------|--------------|
| 1370P 010500  | Black       | Reel        | 500 ft   | 612825113317 |
| 1370P 0101000 | Black       | Reel        | 1,000 ft | 612825113300 |
| 1370P 006500  | Blue, Light | Reel        | 500 ft   | 612825113232 |
| 1370P 0061000 | Blue, Light | Reel        | 1,000 ft | 612825113225 |
| 1370P 001500  | Brown       | Reel        | 500 ft   | 612825113157 |
| 1370P 0011000 | Brown       | Reel        | 1,000 ft | 612825113140 |
| 1370P 008500  | Gray        | Reel        | 500 ft   | 612825113270 |
| 1370P 0081000 | Gray        | Reel        | 1,000 ft | 612825113263 |
| 1370P N3U500  | Green, Mil  | Reel        | 500 ft   | 612825113133 |
| 1370P N3U1000 | Green, Mil  | Reel        | 1,000 ft | 612825113126 |
| 1370P 003500  | Orange      | Reel        | 500 ft   | 612825113195 |
| 1370P 0031000 | Orange      | Reel        | 1,000 ft | 612825113188 |
| 1370P 002500  | Red         | Reel        | 500 ft   | 612825113171 |
| 1370P 0021000 | Red         | Reel        | 1,000 ft | 612825113164 |
| 1370P 007500  | Violet      | Reel        | 500 ft   | 612825113256 |
| 1370P 0071000 | Violet      | Reel        | 1,000 ft | 612825113249 |
| 1370P 009500  | White       | Reel        | 500 ft   | 612825113294 |
| 1370P 0091000 | White       | Reel        | 1,000 ft | 612825113287 |
| 1370P 004500  | Yellow      | Reel        | 500 ft   | 612825113218 |
| 1370P 0041000 | Yellow      | Reel        | 1,000 ft | 612825113201 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.331 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

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