


**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 (RL)**

| 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 Temp Rating:       | 75°C         |
| Operating Temp Range: | 0°C To +75°C |

**Mechanical Characteristics**

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 24 lbs/1000ft |
| Max. Pull Tension:           | 37 lbs        |
| Min. Bend Radius/Minor Axis: | 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: 0.323 Revision Date: 12-15-2021 |
|----------------------|--|

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.