



Product: [1369P](#)

Serial Digital Coax, RG6, #18 Solid BC, Foil + 85% TC Braid, CMP



Product Description

Video Cable, Plenum-CMP, RG6, 18 AWG solid bare copper, foam FEP insulation, Duofoil®; 85% tinned copper braid, Flamarrest® jacket

Technical Specifications

Product Overview

|                        |                  |
|------------------------|------------------|
| Suitable Applications: | Commercial Video |
|------------------------|------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 18  | Solid     | BC - Bare Copper | 0.04 in          | 1           |

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

Insulation

| Material                                    | Material Trade Name | Nominal Diameter |
|---------------------------------------------|---------------------|------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | Teflon®             | 0.168 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®         | 0.231 in         |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|-----------------------|----------------------|--------------------------|---------------------|
| 6.4 Ohm/1000ft        | 6.4 Ohm/1000ft        |                      | 3.6 Ohm/1000ft           | 3.6 Ohm/1000ft      |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.3 pF/ft                           |

Inductance

| Nominal Inductance |
|--------------------|
| 0.103 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           | 0.24 dB/100ft       |
| 3.58 MHz        | 0.45 dB/100ft       |
| 5 MHz           | 0.55 dB/100ft       |
| 7 MHz           | 0.65 dB/100ft       |
| 10 MHz          | 0.75 dB/100ft       |
| 67.5 MHz        | 1.74 dB/100ft       |
| 71.5 MHz        | 1.78 dB/100ft       |
| 88.5 MHz        | 1.94 dB/100ft       |
| 100 MHz         | 2.1 dB/100ft        |
| 135 MHz         | 2.4 dB/100ft        |
| 143 MHz         | 2.5 dB/100ft        |
| 180 MHz         | 2.8 dB/100ft        |
| 270 MHz         | 3.4 dB/100ft        |
| 360 MHz         | 4 dB/100ft          |
| 540 MHz         | 5.2 dB/100ft        |
| 720 MHz         | 6.1 dB/100ft        |
| 750 MHz         | 6.2 dB/100ft        |
| 1000 MHz        | 7.3 dB/100ft        |
| 1500 MHz        | 9.2 dB/100ft        |
| 2000 MHz        | 10.9 dB/100ft       |
| 2250 MHz        | 11.6 dB/100ft       |
| 3000 MHz        | 13.7 dB/100ft       |

#### Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.22 ns/ft    | 83%                                      |

#### Voltage

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

### Temperature Range

|                              |                |
|------------------------------|----------------|
| UL Temp Rating:              | 75°C           |
| Operating Temperature Range: | -20°C To +75°C |

### Mechanical Characteristics

|                              |                 |
|------------------------------|-----------------|
| Bulk Cable Weight:           | 33.5 lbs/1000ft |
| Max. Pull Tension:           | 64 lbs          |
| Min. Bend Radius/Minor Axis: | 2.5 in          |

### Standards

|                       |     |
|-----------------------|-----|
| NEC/(UL) Compliance:  | CMP |
| CEC/C(UL) Compliance: | CMP |
| RG Type:              | 6   |

### 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 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | No                            |
| MII Order #39 (China RoHS):                  | Yes                           |

Suitability

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

Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | NFPA 262  |
| CSA Flammability:  | FT6       |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Related Part Numbers

|                    |       |
|--------------------|-------|
| Non-Plenum Number: | 1369R |
|--------------------|-------|

Variants

| Item #        | Color       | Put-Up Type | Length   | UPC          |
|---------------|-------------|-------------|----------|--------------|
| 1369P 010500  | Black       | Reel        | 500 ft   | 612825112914 |
| 1369P 0101000 | Black       | Reel        | 1,000 ft | 612825112907 |
| 1369P 006500  | Blue, Light | Reel        | 500 ft   | 612825112839 |
| 1369P 0061000 | Blue, Light | Reel        | 1,000 ft | 612825112822 |
| 1369P 001500  | Brown       | Reel        | 500 ft   | 612825112754 |
| 1369P 0011000 | Brown       | Reel        | 1,000 ft | 612825112747 |
| 1369P 008500  | Gray        | Reel        | 500 ft   | 612825112877 |
| 1369P 0081000 | Gray        | Reel        | 1,000 ft | 612825112860 |
| 1369P N3U500  | Green, Mil  | Reel        | 500 ft   | 612825112730 |
| 1369P N3U1000 | Green, Mil  | Reel        | 1,000 ft | 612825112723 |
| 1369P 003500  | Orange      | Reel        | 500 ft   | 612825112792 |
| 1369P 0031000 | Orange      | Reel        | 1,000 ft | 612825112785 |
| 1369P 002500  | Red         | Reel        | 500 ft   | 612825112778 |
| 1369P 0021000 | Red         | Reel        | 1,000 ft | 612825112761 |
| 1369P 007500  | Violet      | Reel        | 500 ft   | 612825112853 |
| 1369P 0071000 | Violet      | Reel        | 1,000 ft | 612825112846 |
| 1369P 009500  | White       | Reel        | 500 ft   | 612825112891 |
| 1369P 0091000 | White       | Reel        | 1,000 ft | 612825112884 |
| 1369P 004500  | Yellow      | Reel        | 500 ft   | 612825112815 |
| 1369P 0041000 | Yellow      | Reel        | 1,000 ft | 612825112808 |

Product Notes

|        |                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------|
| Notes: | Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. |
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History

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|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.321 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

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