



Product: [9764](#)



CATV Video, RG11, 14 AWG BCCS, Tri Shield, Polyethylene Jacket

Product Description

CATV, Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond Plus®; aluminum braid shield (75% coverage), polyethylene jacket.

Technical Specifications

Physical Characteristics (Overall)

| Conductor | | | | |
|------------------|-----------|----------------------------------|------------------|-------------|
| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
| 14 | Solid | BCCS - Bare Copper Covered Steel | 0.064 in | 1 |
| Conductor Count: | | | 1 | |

| Insulation | |
|---------------------------|------------------|
| Material | Nominal Diameter |
| PE - Polyethylene (Foam) | 0.28 in |
| Table Notes: Gas Injected | |

| Outer Shield | | | | |
|---|-------|-------------------------------|---------------------|--------------|
| Type | Layer | Material | Material Trade Name | Coverage [%] |
| Tape | 1 | Tri-Laminate (Alum+Poly+Alum) | Duobond® II | 100% |
| Braid | 2 | Aluminum | | 75% |
| Tape | 3 | Bi-Laminate (Alum+Poly) | | 100% |
| Table Notes: Tape has shorting fold and is bonded to jacket | | | | |

| Outer Jacket | |
|-------------------|------------------|
| Material | Nominal Diameter |
| PE - Polyethylene | 0.4 in |

Electrical Characteristics

| Conductor DCR | | |
|-----------------------|--------------------------|---------------------|
| Nominal Conductor DCR | Nominal Outer Shield DCR | Outer Conductor DCR |
| 11 Ohm/1000ft | 3.8 Ohm/1000ft | 3.8 Ohm/1000ft |

| Capacitance |
|--------------------------------------|
| Nom. Capacitance Conductor to Shield |
| 16.2 pF/ft |

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

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

Return Loss (RL)

| Frequency [MHz] | Min. Structural Return Loss (SRL) |
|-----------------|-----------------------------------|
| 5-1000 MHz | 20 dB |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.2 ns/ft | 83% |

High Frequency

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 5 MHz | 0.38 dB/100ft |
| 55 MHz | 0.96 dB/100ft |
| 211 MHz | 1.9 dB/100ft |
| 270 MHz | 2.13 dB/100ft |
| 300 MHz | 2.25 dB/100ft |
| 350 MHz | 2.42 dB/100ft |
| 400 MHz | 2.6 dB/100ft |
| 450 MHz | 2.75 dB/100ft |
| 550 MHz | 3.04 dB/100ft |
| 750 MHz | 3.65 dB/100ft |
| 870 MHz | 4.06 dB/100ft |
| 1000 MHz | 4.35 dB/100ft |

Voltage

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

Temperature Range

| | |
|------------------------------|----------------|
| Non-UL Temp Rating: | 80°C |
| Operating Temperature Range: | -55°C To +80°C |

Mechanical Characteristics

| | |
|------------------------------|---------------|
| Bulk Cable Weight: | 52 lbs/1000ft |
| Max. Pull Tension: | 276 lbs |
| Min. Bend Radius/Minor Axis: | 4 in |

Standards

| | |
|--------------|----|
| RG Type: | 11 |
| Series Type: | 11 |

Applicable Environmental and Other Programs

| | |
|--|-------------------------------|
| Environmental Space: | Outdoor - Water Exposure |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/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 - Burial: | Yes |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Related Part Numbers

| |
|--|
| |
|--|

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|--------------|--------|-------------|----------|--------------|
| 9764 0101000 | Black | Reel | 1,000 ft | 612825258452 |
| 9764 0031000 | Orange | Reel | 1,000 ft | 612825258278 |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.381 Revision Date: 04-29-2024 |
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