



Product: [8213](#)

Analog Video, RG11, #14 Solid BC, 95% BC Braid, PE Jacket

Product Description

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shield (95% coverage), polyethylene jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 14 | Solid | BC - Bare Copper | 0.064 in | 1 |

Conductor Count: 1

Insulation

| Material | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.285 in |

Table Notes: Gas Injected

Outer Shield

| Type | Material | Coverage [%] |
|-------|------------------|--------------|
| Braid | Bare Copper (BC) | 95% |

Outer Jacket

| Material | Nominal Diameter |
|-------------------|------------------|
| PE - Polyethylene | 0.405 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--|--------------------------|---------------------|
| 2.6 Ohm/1000ft | 2.6 Ohm/1000ft | 1.1 Ohm/1000ft | 1.1 Ohm/1000ft |

Capacitance

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

Inductance

| Nominal Inductance |
|--------------------|
| 0.097 μ H/ft |

Impedance

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

Return Loss (RL)

| Frequency [MHz] | Min. Structural Return Loss (SRL) |
|-----------------|-----------------------------------|
| 5-450 MHz | 23 dB |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss | Nom. Structural Return Loss (SRL) |
|-----------------|---------------------|-----------------------------------|
| 1 MHz | 0.2 dB/100ft | 23 dB |
| 450 MHz | 0.4 dB/100ft | |
| 5 MHz | 0.9 dB/100ft | |
| 100 MHz | 1.3 dB/100ft | |
| 200 MHz | 1.9 dB/100ft | |
| 400 MHz | 2.9 dB/100ft | |
| 700 MHz | 4.1 dB/100ft | |
| 900 MHz | 4.8 dB/100ft | |
| 1000 MHz | 5.2 dB/100ft | |

Delay

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

High Frequency

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 400 MHz | 4.4 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: | 78 lbs/1000ft |
| Max. Pull Tension: | 171 lbs |
| Min. Bend Radius/Minor Axis: | 4 in |

Standards

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

Applicable Environmental and Other Programs

| | |
|--|-------------------------------|
| Environmental Space: | Indoor/Outdoor |
| 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: | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------|--|
| Suitability - Aerial: | Yes - When supported by messenger wire |
| 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 |
|--------------|-------|-------------|----------|--------------|
| 8213 010500 | Black | Reel | 500 ft | 612825196211 |
| 8213 0101000 | Black | Reel | 1,000 ft | 612825357599 |
| 8213 0102000 | Black | Reel | 2,000 ft | 612825355557 |

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.342 Revision Date: 04-08-2022

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