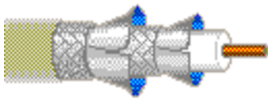




Product: [1153A](#)



CATV Video, RG11 Type, 14 AWG BCCS, Quad Shield (Foil + 60% Braid + Foil + 40% Braid), CMP

Product Description

14 AWG solid .064" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage) + TC braid shields (60% and 40% coverage), FEP jacket.

Technical Specifications

Product Overview

| | |
|------------------------|-----------------|
| Suitable Applications: | CATV, Broadband |
|------------------------|-----------------|

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 | Material Trade Name | Nominal Diameter |
|---|---------------------|------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | Teflon® | 0.28 in |

Outer Shield

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|-------------------------------|---------------------|--------------|
| Tape | 1 | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| Braid | 2 | Tinned Copper (TC) | | 60% |
| Tape | 3 | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| Braid | 4 | Tinned Copper (TC) | | 40% |

Outer Jacket

| Material | Material Trade Name | Nominal Diameter |
|--------------------------------------|---------------------|------------------|
| FEP - Fluorinated Ethylene Propylene | Teflon® | 0.387 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--------------------------|---------------------|
| 11 Ohm/1000ft | 1.8 Ohm/1000ft | 1.8 Ohm/1000ft |

Capacitance

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

Inductance

| Nominal Inductance |
|--------------------|
| 0.093 µH/ft |

Impedance

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

Return Loss (RL)

| Frequency [MHz] | Min. Structural Return Loss (SRL) |
|-----------------|-----------------------------------|
| 5 - 400 MHz | 20 dB |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 0.2 dB/100ft |
| 10 MHz | 0.39 dB/100ft |
| 50 MHz | 1.2 dB/100ft |
| 100 MHz | 1.7 dB/100ft |
| 200 MHz | 2.5 dB/100ft |
| 400 MHz | 3.5 dB/100ft |
| 700 MHz | 4.6 dB/100ft |
| 900 MHz | 5.3 dB/100ft |
| 1000 MHz | 5.6 dB/100ft |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.24 ns/ft | 82% |

Voltage

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

Temperature Range

| | |
|------------------------------|-----------------|
| Non-UL Temp Rating: | 200°C |
| Operating Temperature Range: | -70°C To +200°C |

Mechanical Characteristics

| | |
|------------------------------|---------------|
| Bulk Cable Weight: | 94 lbs/1000ft |
| Max. Pull Tension: | 212 lbs |
| Min. Bend Radius/Minor Axis: | 3.9 in |

Standards

| | |
|-----------------------|-----------|
| NEC/(UL) Compliance: | CL2P, CMP |
| CEC/C(UL) Compliance: | CMP |
| RG Type: | 11 |
| Series Type: | 11 |

Applicable Environmental and Other Programs

| | |
|-----------------------------------|-------------------------------|
| Environmental Space: | Indoor - Plenum |
| 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 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 - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

Flammability, LS0H, 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

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|---------------|-------------|-------------|----------|--------------|
| 1153A A8R500 | Beige, Snow | Reel | 500 ft | 612825107514 |
| 1153A A8R1000 | Beige, Snow | Reel | 1,000 ft | 612825107507 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.373 Revision Date: 04-29-2024 |
|----------------------|--|

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