



Part Number: 1523A

CATV Video, RG11, 14 AWG BCCS, Shielded, CM

Product Description

CATV Video, Series 11, 14 AWG solid bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II, aluminum braid shield (Foil + 60% Braid), CM, PVC jacket.

Technical Specifications

Product Overview

| | |
|------------------------|------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| 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 |
| Conductor Size: | 14 AWG |

Insulation

| Material | Nominal Diameter |
|--------------------------------------|------------------|
| Gas-injected FPE - Foam Polyethylene | 0.28 in |

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|-----------------------------|---------------------------------|--------------|
| Tape | 1 | Aluminum/Polyester/Aluminum | Duobond® (bonded to dielectric) | 100 % |
| Braid | 2 | AL - Aluminum | | 60 % |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.393 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 11 Ohm/1000ft | 4.1 Ohm/1000ft |

Capacitance

| Max. Capacitance Conductor to Shield | Nom. Capacitance Conductor to Shield |
|--------------------------------------|--------------------------------------|
| 16.2 pF/ft | 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) [%] |
|---------------|--|
| 1.22 ns/ft | 83 % |

High Freq

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 5 MHz | 0.38 dB/100ft |
| 55 MHz | 0.96 dB/100ft |
| 211 MHz | 1.90 dB/100ft |
| 250 MHz | 2.05 dB/100ft |
| 270 MHz | 2.13 dB/100ft |
| 300 MHz | 2.25 dB/100ft |
| 330 MHz | 2.35 dB/100ft |
| 350 MHz | 2.42 dB/100ft |
| 400 MHz | 2.60 dB/100ft |
| 450 MHz | 2.75 dB/100ft |
| 500 MHz | 2.90 dB/100ft |
| 550 MHz | 3.04 dB/100ft |
| 600 MHz | 3.18 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 | UL Voltage Rating |
|-----------------------|-------------------|
| 300 V RMS | 300 V RMS |

Temperature Range

| | |
|-----------------------|----------------|
| Operating Temp Range: | -40°C To +80°C |
|-----------------------|----------------|

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| UV Resistance: | Yes |
| Bulk Cable Weight: | 56 lbs/1000ft |
| Max Recommended Pulling Tension: | 260 lbs |
| Min Bend Radius/Minor Axis: | 4 in |

Standards

| | |
|--------------------------|-----------|
| NEC/(UL) Specification: | CATV, CM |
| CEC/C(UL) Specification: | CM |
| CPR Euroclass: | Eca |
| RG Type: | 11/U Type |
| Series Type: | Series 11 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------------------|--|
| Suitability - Aerial: | Yes - Black only, when supported by messenger wire |
| Suitability - Burial: | No |
| Suitability - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes - Black only |

Flammability, LSOH, Toxicity Testing

| | |
|-----------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| CSA Flammability: | FT1 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|----------------|--------|
| Plenum (Y/N): | No |
| Plenum Number: | 1523AP |

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|---------------|-------|--------------|----------|----------|
| 1523A 0101000 | Black | 612825316350 | 1,000 ft | |
| 1523A=0101000 | Black | | 305 m | |
| 1523A 0091000 | White | 612825117063 | 1,000 ft | C |

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

Product Notes

| | |
|--------|---|
| Notes: | Print legend includes sequential footage marks. |
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