




Product: [1523AP](#) 

Broadband Coax, Series 11, 14 AWG Solid BCCS, Foil + 60% AL Braid, PVDF Jkt, CMP

Product Description

Broadband Coax, Series 11, 14 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 60% Aluminum Braid Shield, PVDF Jacket, CMP

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas |
|------------------------|--|

Construction Details

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

Conductor

| AWG | Stranding | Nom. Diameter | Material |
|-----|-----------|---------------|----------------------------------|
| 14 | Solid | 0.064 in | BCCS - Bare Copper Covered Steel |

Insulation

| Material | Nom. Diameter |
|---|---------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.274 in |

Outer Shield Material

| Layer | Outer Shield Type | Material | Material Trade Name | Coverage |
|-------|-------------------|-------------------------------|---------------------|----------|
| 1 | Tape | Tri-Laminate (Alum+Poly+Alum) | Duobond® II | 100% |
| 2 | Braid | Aluminum | | 60% |

Outer Jacket Material

| Material | Nom. Diameter |
|--------------------------------|---------------|
| PVDF - Polyvinylidene Fluoride | 0.348 in |

Electrical Characteristics

Return Loss (RL)

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

Attenuation

| Frequency | Max. Attenuation [dB/100ft] |
|-----------|-----------------------------|
| 5 MHz | 0.38 dB/100ft |
| 55 MHz | 1.12 dB/100ft |
| 211 MHz | 2.24 dB/100ft |
| 240 MHz | 2.43 dB/100ft |
| 270 MHz | 2.59 dB/100ft |
| 300 MHz | 2.75 dB/100ft |
| 325 MHz | 2.92 dB/100ft |
| 350 MHz | 3.08 dB/100ft |
| 400 MHz | 3.34 dB/100ft |
| 450 MHz | 3.64 dB/100ft |

| | |
|----------|---------------|
| 500 MHz | 3.92 dB/100ft |
| 550 MHz | 4.19 dB/100ft |
| 600 MHz | 4.48 dB/100ft |
| 750 MHz | 5.31 dB/100ft |
| 870 MHz | 5.86 dB/100ft |
| 1000 MHz | 6.53 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Impedence | Nom. Velocity |
|--------------------|-----------------------|---------------------------------|----------------|---------------|
| 12 Ohm/1000ft | 4.1 Ohm/1000ft | 16.3 pF/ft | 75 Ohm | 83% |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|-----------|-----------------|
| 150°C | -20°C to +150°C |

Bend Radius

| Installation Min. |
|-------------------|
| 3.5 in |

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 57 lbs/1000ft |
| Max. Pull Tension: | 199 lbs |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | NFPA 262 |
| NEC / UL Compliance: | CMP, CATVP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 1523A |

History

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| Update and Revision: | Revision Number: 0.371 Revision Date: 09-30-2020 |
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