



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. Characteristic Impedance | 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 (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                | China RoHS II (GB/T 26572-2011)                                                                                                  |
| Non-Plenum Number:              | 1523A                                                                                                                            |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.376 Revision Date: 05-26-2021 |
|----------------------|--------------------------------------------------|

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