Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1523AP Coax - CATV Cable

For more Information please call

1-800-Belden1



General Description:

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, plenum, foam FEP insulation, Duobond® II + aluminum braid shield (60% coverage), fluorocopolymer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 14 | Solid | BCCS - Bare Copper Covered Steel | .064 |

Total Number of Conductors:

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--|------------|
| FFEP - Foam Fluorinated Ethylene Propylene | .274 |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Туре | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|---|--------------|
| 1 | Bonded Duofoil® | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | AL - Aluminum | 60 |

Outer Jacket

Outer Jacket Material:

Outer Jacket Material PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 0.348 in.

Mechanical Characteristics (Overall)

| Operating Temperature Range: | -20°C To +150°C |
|-----------------------------------|-----------------|
| Non-UL Temperature Rating: | 150°C |
| Bulk Cable Weight: | 57 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 260 lbs. |
| Min. Bend Radius/Minor Axis: | 3.500 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| NEC/(UL) Specification: | CATVP, CMP |
|------------------------------------|------------|
| CEC/C(UL) Specification: | CMP |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| | |

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| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
|---------------------------------------|------------|
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Series Type: | Series 11 |
| Flame Test | |
| CSA Flame Test: | FT6 |
| Plenum/Non-Plenum | |
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 1523A |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



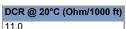
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .2 |
| 10 | .4 |
| 50 | 1.0 |
| 100 | 1.4 |
| 200 | 2.3 |
| 400 | 3.7 |
| 700 | 5.3 |
| 900 | 6.4 |
| 1000 | 6.9 |

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

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Minimum Structural Return Loss:

| Description Freq. (MH | z) Start Freq. (MHz) | Stop Freq. (MHz) | Min. SRL (dB) |
|-----------------------|----------------------|------------------|---------------|
| | 5 | 1000 | 20 |

Notes (Overall)

Notes: Sweep tested 5 MHz to 1 GHz.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|---------------------|
| 1523AP 0101000 | 1,000 FT | 62.000 LB | BLACK | С | RG-11/U PLENUM COAX |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-22-2012

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