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1-800-Belden1



General Description:

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (60% coverage), PVC 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: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--------------------------------------|------------|
| Gas-injected FPE - Foam Polyethylene | .280 |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | 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 |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 0.400 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 54 lbs/1000 ft.

Max. Recommended Pulling Tension: 260 lbs.

Min. Bend Radius/Minor Axis: 4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CATVR, CMR

CEC/C(UL) Specification: CMR

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

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

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

UL Flame Test: UL1666 Vertical Riser
 CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
 75

Nom. Inductance:

Inductance (µH/ft)
 .097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
 16.2

Nominal Velocity of Propagation:

VP (%)
 83

Nominal Delay:

Delay (ns/ft)
 1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
 11.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
 4.1

Max. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 5 | 0.38 |
| 55 | 0.97 |
| 211 | 1.81 |
| 270 | 2.05 |
| 300 | 2.15 |
| 350 | 2.32 |
| 400 | 2.47 |
| 450 | 2.65 |
| 550 | 2.94 |
| 750 | 3.50 |
| 870 | 3.84 |
| 1000 | 4.23 |

Max. Operating Voltage - UL:

Voltage
 300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
 300 V RMS

Minimum Structural Return Loss:

| Description | Freq. (MHz) | 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 |
|---------------|----------|-------------|-------|-------|---------------------|
| 1523R 0101000 | 1,000 FT | 68.000 LB | BLACK | | #14 GIFHDLDP SH PVC |
| 1523R 010500 | 500 FT | 35.000 LB | BLACK | | #14 GIFHDLDP SH PVC |

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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