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1-800-Belden1



Description:

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (60% and 40% coverage), PVC jacket

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|----------------------------------|-----------|
| 1 | 14 | Solid | BCCS - Bare Copper Covered Steel | 1.6256 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|--------------------------------------|-----------|
| Gas-injected FPE - Foam Polyethylene | 7.112 |

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 |
| 3 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 4 | | Braid | AL - Aluminum | 40 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 10.338 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Bulk Cable Weight: 89.292 Kg/Km

Max. Recommended Pulling Tension: 1370.046 N

Min. Bend Radius/Minor Axis: 101.600 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CATV, CM

CEC/C(UL) Specification: CM

EU CE Mark: No

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: UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75.000

Nom. Inductance:

Inductance (µH/m)

0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.1522

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/m)

3.9372

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

36.091

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

9.843

Max. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

| | |
|------|---------|
| 5 | 1.24678 |
| 55 | 3.18257 |
| 211 | 5.93861 |
| 270 | 6.72605 |
| 300 | 7.05415 |
| 350 | 7.61192 |
| 400 | 8.10407 |
| 450 | 8.69465 |
| 550 | 9.64614 |
| 750 | 11.4835 |
| 870 | 12.599 |
| 1000 | 13.8786 |

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 |

Sweep Test

Sweep Testing: 5 MHz - 1 GHz

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|--------|-------------|-------|-------|---------------------------|
| 1617A 0101000 | 305 MT | 30.391 KG | BLACK | | #14 GIFHDLDPPE DBL SH PVC |

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