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1-800-Belden1



## General Description:

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

Outer Shield Flooding Grease: CoreGuard®

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

### Overall Cable

Overall Nominal Diameter: 9.982 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -50°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 68.457 Kg/Km

Max. Recommended Pulling Tension: 1156.532 N

Min. Bend Radius/Minor Axis: 101.600 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

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

## Suitability

Suitability - Burial: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### 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)

13.4521

### Nom. 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 - 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
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## Notes (Overall)

**Notes:** Sweep tested 5 MHz to 1 GHz.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1525A 0031000	1,000 FT	55.000 LB	ORANGE		#14 GIFHDLDPPE SH LDPE
1525A 0101000	1,000 FT	55.000 LB	BLACK		#14 GIFHDLDPPE SH LDPE

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