

For more Information  
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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

**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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METRIC MEASUREMENT VERSION

## 1525A Coax - CATV Cable

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