

## 1523A Coax - CATV Cable

For more Information  
please call

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. (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	Duobond®	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: 9.982 mm

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 83.339 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

NEC/(UL) Specification: CATV, CM

CEC/C(UL) Specification: CM

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
Other Specification:	ANSI/SCTE 74 (latest revision)
Series Type:	Series 11

### Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/m)

0.318257

#### Maximum 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

#### Max. Attenuation:

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

5.000 1.247

55.000 3.150

211.000 6.234

250.000 6.726

270.000 6.989

300.000 7.382

330.000 7.710

350.000 7.940

400.000 8.531

450.000 9.023

500.000 9.515

550.000 9.974

600.000 10.434

750.000 11.976

870.000 13.321

1000.000	14.272
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**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Max. Operating Voltage - Non-UL:**

<b>Voltage</b>
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
1523A 0091000	1,000 FT	63.000 LB	WHITE	C	#14 GIFHDLDP SH PVC
1523A 0101000	1,000 FT	63.000 LB	BLACK		#14 GIFHDLDP SH PVC

**Notes:**  
C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 06-09-2015

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