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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. (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

**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

**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
1523A 0091000	1,000 FT	63.000 LB	WHITE	C	#14 GIFHDLDP SH PVC

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

### 1523A Coax - CATV Cable

1523A 0101000	1,000 FT	63.000 LB	BLACK	#14 GIFHDLPE SH PVC
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**Notes:**

C = CRATE REEL PUT-UP.

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