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1-800-Belden1



## General Description:

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper double shields (95% and 80% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	14	Solid	BC - Bare Copper	1.6256

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	7.239

### Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	9.271

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	80

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 12.065 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 186.025 Kg/Km

Max. Recommended Pulling Tension: 756.194 N

Min. Bend Radius/Minor Axis: 120.650 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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
MIL Order #39 (China RoHS):	Yes
RG Type:	11/U

**Flame Test**

UL Flame Test:	UL1666 Vertical Shaft
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**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

**Plenum/Non-Plenum**

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

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
75

**Nom. Inductance:**

<b>Inductance (µH/m)</b>
0.318257

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/m)</b>
52.8241

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
84

**Nominal Delay:**

<b>Delay (ns/m)</b>
3.9372

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
8.531

**Nom. Inner Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
5.578

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
4.922

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.459
3.600	0.984
10.000	1.312
71.500	3.609
135.000	5.250
270.000	7.546
360.000	8.531
540.000	10.827
720.000	12.468
750.000	13.124
1000.000	15.093
1500.000	19.358
2250.000	24.279
3000.000	29.529
4500.000	41.013

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Minimum Return Loss:**

## METRIC MEASUREMENT VERSION

8233A Coax - RG-11/U Type

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	850.000	21.000
850.000	4500.000	15.000

### Sweep Test

Sweep Testing: 100&#37; Sweep tested 5 MHz to 4.5 GHz.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8233A 0101000	1,000 FT	133.000 LB	BLACK	C	#14 GIFHDPE/PE BRD PVC BRD PVC
8233A 0102000	2,000 FT	266.000 LB	BLACK	C	#14 GIFHDPE/PE BRD PVC BRD PVC
8233A 0104000	4,000 FT	572.000 LB	BLACK	C	#14 GIFHDPE/PE BRD PVC BRD PVC

### Notes:

C = CRATE REEL PUT-UP.

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