

8233 Coax - RG-11/U Type

For more Information
please call

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), polyethylene jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BC - Bare Copper	.064

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.285

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. (in.)
PE - Polyethylene	.365

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Overall Cable

Overall Nominal Diameter: 0.475 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-55°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	112 lbs/1000 ft.
Max. Recommended Pulling Tension:	170 lbs.
Min. Bend Radius/Minor Axis:	5 in.

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

MIL Order #39 (China RoHS): Yes

RG Type: 11/U

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes, when supported by a messenger wire

Suitability - Burial: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.1

Nominal Velocity of Propagation:

VP (%)

84

Nominal Delay:

Delay (ns/ft)

1.20

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.600

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.700

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.500

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.140
3.600	0.300
10.000	0.400
71.500	1.100
135.000	1.600
270.000	2.300
360.000	2.600
540.000	3.300
720.000	3.800
750.000	4.000
1000.000	4.600
1500.000	5.900
2250.000	7.400
3000.000	9.000
4500.000	12.500

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Minimum Return Loss:

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% Sweep tested 5 MHz to 4.5 GHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8233 0101000	1,000 FT	119.000 LB	BLACK	C	RG-11/U TYPE TRIAX
8233 0102000	2,000 FT	240.000 LB	BLACK	C	RG-11/U TYPE TRIAX
8233 010500	500 FT	63.000 LB	BLACK	C	RG-11/U TYPE TRIAX

Notes:
C = CRATE REEL PUT-UP.

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