

8233 Coax - RG-11/U Type



For more Information
please call
1-800-Belden1



Description

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

Physical Characteristics (Overall):

Conductor:

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BC - Bare Copper	0.064

Insulation:

Insulation Material

Ins Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.285

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	0.365

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 Cabling:

Overall Nominal Diameter: .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 (Install):	10 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

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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) N

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
75.000

Nom. Inductance

Inductance (µH/ft)
0.097

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
16.100

Nominal Velocity of Propagation

VP (%)
84

Nominal Delay

Delay (ns/ft)
1.200

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
2.500

Nom. Inner Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
1.600

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.200
	3.600			0.300
	10.000			0.400
	71.500			1.100
	135.000			1.500
	270.000			2.300
	360.000			2.700
	540.000			3.500
	720.000			4.200
	750.000			4.300
	1000.000			5.200
	1500.000			7.100
	2250.000			9.600
	3000.000			12.000

Max. Operating Voltage - Non-UL

Voltage
300 V RMS

Minimum Return Loss

Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. RL (dB)

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		5.000	850.000	21.000
		851.000	3000.000	15.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
1.400

Sweep Test:

Sweep Testing

100% Sweep tested 5 MHz to 3 GHz.

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
8233 0101000	1,000 FT	122.000 LB	BLACK	C	RG-11/U TYPE TRIAX BLK
8233 0102000	2,000 FT	240.000 LB	BLACK	C	RG-11/U TYPE TRIAX BLK
8233 010500	500 FT	63.000 LB	BLACK	C	RG-11/U TYPE TRIAX BLK

Notes:

C = CRATE REEL PUT-UP.

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