

## 8233 Coax - RG-11/U Type

		<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### Description:

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

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	11/U
AWG	14
Stranding	Solid
Conductor Diameter	.064 in.
Conductor Material	BC - Bare Copper

#### INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.285 in.

#### INNER SHIELD:

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

#### INNER JACKET:

Inner Jacket Material	PE - Polyethylene
Inner Jacket Diameter	.365 in.

#### OUTER SHIELD:

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

#### OUTER JACKET:

Outer Jacket Material	PE - Polyethylene
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#### OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.475 in.
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### MECHANICAL CHARACTERISTICS:

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:

#### APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

#### SWEEP TEST:

Sweep Testing	100% Sweep tested 5 MHz to 3 GHz.
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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
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	0.097 μH/ft
Nom. Capacitance Conductor to Shield	16.1 pF/ft
Nominal Velocity of Propagation	84 %
Nominal Delay	1.20 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	2.5 Ohms/1000 ft
Nom. Inner Shield DC Resistance:	1.6 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.4 Ohms/1000 ft

#### Minimum Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)
		5	850	21
		851	3000	15

#### Nom. Attenuation :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.2
	3.6			.3
	10			.4
	71.5			1.1
	135			1.5
	270			2.3
	360			2.7
	540			3.5
	720			4.2
	750			4.3
	1000			5.2
	1500			7.1
	2250			9.6
	3000			12.0

Max. Operating Voltage - Non-UL 300 V RMS

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8233 0101000	RG-11/U TYPE TRIAX	1000	122	BLACK	C
8233 0102000	RG-11/U TYPE TRIAX	2000	240	BLACK	C
8233 010500	RG-11/U TYPE TRIAX	500	63	BLACK	C

C = CRATE REEL PUT-UP.

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