

## 9251 Coax - RG-8/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:

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (97% coverage), non-contaminating PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	8/U
AWG	13
Stranding	7x21
Conductor Diameter	.085 in.
Conductor Material	BC - Bare Copper

#### INSULATION:

Insulation Material	PE - Polyethylene
Nom. Insulation Wall Thickness	.285 in.

#### OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	97 %

#### OUTER JACKET:

Outer Jacket Material	PVCNC - Polyvinyl Chloride Non-Contaminating
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#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.405 in.
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#### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	60°C (UL AWM Style 1354)
Bulk Cable Weight	99 lbs/1000 ft.
Max. Recommended Pulling Tension	190 lbs.
Min. Bend Radius (Install)	4 in.

#### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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### APPLICABLE STANDARDS:

NEC/(UL) Specification	CMX
CEC/C(UL) Specification	CMX
AWM Specification	UL Style 1354 (30 V 60°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
Military Specification	MIL-C-17D

### FLAME TEST:

UL Flame Test	VW-1
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### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	52 Ohms
Nom. Inductance	.079 $\mu$ H/ft
Nom. Capacitance Conductor to Shield	28.5 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.9 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.2 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.2
	10			.6
	50			1.3
	100			1.9
	200			2.8
	400			4.2
	700			5.9
	900			6.9
	1000			7.4
	4000			23.2

Max. Operating Voltage - UL	150 V RMS, 30 V RMS (UL AWM Style 1354)
Max. Operating Voltage - Non-UL	3700 V RMS

### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9251 0101000	#13 PE BRD PVC	1000	115	BLACK	C

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9251 010500	#13 PE BRD PVC	500	58	BLACK	C
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C = CRATE REEL PUT-UP.

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