Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9251 Coax - RG-8/U Type

For more Information please call

1-800-Belden1



General Description:

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (95% coverage), non-contaminating PVC jacket.

1

Physical Characteristics (Overall)

Conductor

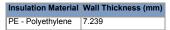
AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	13	7x21	BC - Bare Copper	2.159

Total Number of Conductors:

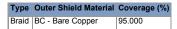
Insulation

Insulation Material:



Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cable

Overall Nominal Diameter: 10.287 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C	
UL Temperature Rating:	60°C (UL AWM Style 1354)	
Bulk Cable Weight:	156.261 Kg/Km	
Max. Recommended Pulling Tension:	845.158 N	
Min. Bend Radius/Minor Axis:	101.600 mm	

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354 (30 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-C-17D

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	RG Type:	8/U
Fla	me Test	
	UL Flame Test:	VW-1
Ple	num/Non-Plenum	
	Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 52

Nom. Inductance:

Inductance (µH/m) 0.259199

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

Nominal Velocity of Propagation:

VP (%) 66

Nominal Delay:

Delay (ns/m) 5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 6.2339

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 3.9372

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.6562
10	1.9686
50	4.2653
100	6.2339
200	9.1868
400	13.7802
700	19.3579
900	22.6389
1000	24.2794
4000	76.1192

Max. Operating Voltage - UL:

Voltage 150 V RMS 30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage 3700 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9251 0101000	1,000 FT	114.000 LB	BLACK	С	#13 PE BRD PVC
9251 010500	500 FT	57.500 LB	BLACK	С	#13 PE BRD PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-15-2012

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9251 Coax - RG-8/U Type

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