Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9251 Coax - RG-8/U Type

For more Information please call

1-800-Belden1



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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.

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:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	7.239

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95.000

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

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9251 Coax - RG-8/U Type

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



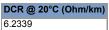
Nominal Velocity of Propagation:



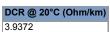
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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:

Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data

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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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