ENGLISH MEASUREMENT VERSION



9914 Coax - RG-8/U Type

For more Information please call

1-800-Belden1



Description:

10 AWG solid .103" bare copper conductor, gas-injected foam HDPE insulation, Duobond II® + tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	10	Solid	BC - Bare Copper	.103

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.285

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 0.403 in.

Mechanical Characteristics (Overall)					
Operating Temperature Range:	-40°C To +80°C				
UL Temperature Rating:	80°C (UL AWM Style 1354)				
Bulk Cable Weight:	108.200 lbs/1000 ft.				
Max. Recommended Pulling Tension:	247 lbs.				
Min. Bend Radius (Install)/Minor Axis:	4 in.				

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 1354 (30 V 80°C)
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):	01/01/2004

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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
RG Type:	8/U
Flame Test	
UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

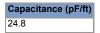
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

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DCR @ 20°C (Ohm/1000 ft)
1.1
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Maximum VSWR:

Start Freq. (MHz)	Stop Freq. (MHz)	Max. VSWR
5.000	2250.000	1.43:1

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	.4
10	.5
50	1.0
100	1.4
200	1.8
400	2.6
700	3.6
900	4.1
1000	4.4

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1500	5.5	
1800	6.1	
2000	6.5	
2500	7.5	
3000	8.3	
4000	9.9	

Max. Power Rating:

Freq. (MHz)	Rating (W)
5	4021
10	3217
50	1609
100	1149
200	894
400	619
700	447
900	393
1000	366
1500	293
1800	264
2000	248
2500	215
3000	194
4000	163

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Notes (Overall)

Notes: Low Loss

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9914 0101000	1,000 FT	114.000 LB	BLACK	С	RG-8/U TYPE COAX
9914 010500	500 FT	56.000 LB	BLACK	С	RG-8/U TYPE COAX

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-30-2009

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to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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