Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8214 Coax - RG-8/U Type

For more Information please call

1-800-Belden1



General Description:

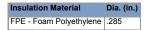
RG-8/U type, 11 AWG stranded (7x19) .108" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

1

Physical Characteristics (Overall) Conductor AWG: # Coax AWG Stranding Conductor Material Dia. (in.) 1 | 11 | 7x19 | BC - Bare Copper | .108

Insulation

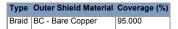
Insulation Material:



Total Number of Conductors:

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

N

Overall Nominal Diameter: 0.403 in.

Me	Mechanical Characteristics (Overall)			
	Operating Temperature Range:	-40°C To +80°C		
	UL Temperature Rating:	80°C (UL AWM Style 1354)		
	Bulk Cable Weight:	107 lbs/1000 ft.		
	Max. Recommended Pulling Tension:	230 lbs.		
	Min. Bend Radius/Minor Axis:	4 in.		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 1354 (30 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
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
RG Type:	8/U

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Sui	Suitability		
	Suitability - Indoor:	Yes	
	Suitability - Outdoor:	Yes	
	Suitability - Aerial:	Yes	
Ple	Plenum/Non-Plenum		
	Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance	(Ohm)
50	

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)	
1.2	

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.1

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.1
10	.5
50	1.2
100	1.7
200	2.6
400	3.9
700	5.6
900	6.5
1000	7.0
4000	21.5

Max. Operating Voltage - UL:

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

Max. Operating Voltage - Non-UL:



Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8214	1 EA	0.000 LB			VB 1A-2-2-212/5 M
8214 010100	100 FT	13.700 LB	BLACK	С	RG-8/U TYPE COAX
8214 0101000	1,000 FT	116.000 LB	BLACK	С	RG-8/U TYPE COAX
8214 010500	500 FT	58.500 LB	BLACK	С	RG-8/U TYPE COAX

Notes: C = CRATE REEL PUT-UP.

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Revision Number: 1 Revision Date: 08-21-2012

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10-30-2014