Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8214 Coax - RG-8/U Type

For more Information please call

1-800-Belden1



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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.

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Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	11	7x19	BC - Bare Copper	2.7432

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (mm)	
FPE - Foam 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 PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 10.236 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 1354)	
Bulk Cable Weight:	159.237 Kg/Km	
Max. Recommended Pulling Tension:	1023.086 N	
Min. Bend Radius/Minor Axis:	101.600 mm	

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	

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10/13/2005
Yes
Yes
Yes
Yes
8/U
Yes
Yes
Yes
No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



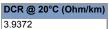
Nominal Velocity of Propagation:



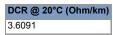
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.3281
10	1.6405
50	3.9372
100	5.5777
200	8.5306
400	12.7959
700	18.3736
900	21.3265
1000	22.967
4000	70.5415

Max. Operating Voltage - UL:

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

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Max. Operating Voltage - Non-UL:

300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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.

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

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