

8214 Coax - RG-8/U Type

For more Information
please call

1-800-Belden1

**Description:**

RG-8/U type, 11 AWG stranded (7x19) .108" bare copper conductor, foam polyethylene insulation, bare copper braid shield (97% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

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

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	97

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

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:	157.749 Kg/Km
Max. Recommended Pulling Tension:	1023.090 N
Min. Bend Radius (Install)/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 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
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	8/U
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Aerial:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/m)

0.213265

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

85.306

Nominal Velocity of Propagation:

VP (%)

78

Nominal Delay:

Delay (ns/m)

4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

3.9372

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

3.6091

Nom. Attenuation:

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

Voltage

300 V RMS

30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8214 010100	30 MT	6.214 KG	BLACK	C	RG-8/U TYPE COAX
8214 0101000	305 MT	52.617 KG	BLACK	C	RG-8/U TYPE COAX
8214 010500	152 MT	26.535 KG	BLACK	C	RG-8/U TYPE COAX

Notes:

C = CRATE REEL PUT-UP.

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