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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.

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 1

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

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

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes

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)

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)

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

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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