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1-800-Belden1



General Description:

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (95% coverage), non-contaminating PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	13	7x21	BC - Bare Copper	2.159

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - 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
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cable

Overall Nominal Diameter: 10.287 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	156.261 Kg/Km
Max. Recommended Pulling Tension:	845.158 N
Min. Bend Radius/Minor Axis:	101.600 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354 (30 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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):	10/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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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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Military Specification:	MIL-C-17D
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RG Type:	8/U
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Flame Test

UL Flame Test:	VW-1
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Plenum/Non-Plenum

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

Impedance (Ohm)

52

Nom. Inductance:

Inductance (µH/m)

0.259199

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

93.5085

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/m)

5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

6.2339

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

3.9372

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
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1	0.6562
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10	1.9686
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50	4.2653
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100	6.2339
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200	9.1868
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400	13.7802
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700	19.3579
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900	22.6389
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1000	24.2794
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4000	76.1192
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Max. Operating Voltage - UL:

Voltage

150 V RMS

30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage

3700 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9251 0101000	1,000 FT	114.000 LB	BLACK	C	#13 PE BRD PVC
9251 010500	500 FT	57.500 LB	BLACK	C	#13 PE BRD PVC

Notes:

C = CRATE REEL PUT-UP.

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