

For more Information
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1-800-Belden1



Description:

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (97% 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

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	97

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cabling

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:	147.332 Kg/Km
Max. Recommended Pulling Tension:	845.158 N
Min. Bend Radius (Install)/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 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
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
Military Specification:	MIL-C-17D
RG Type:	8/U

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)
1	0.6562
10	1.9686
50	4.2653
100	6.2339
200	9.1868
400	13.7802
700	19.3579
900	22.6389
1000	24.2794
4000	76.1192

Max. Operating Voltage - UL:

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

Max. Operating Voltage - Non-UL:

Voltage
3700 V RMS

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9251 0101000	305 MT	52.163 KG	BLACK	C	#13 PE BRD PVC
9251 010500	152 MT	26.308 KG	BLACK	C	#13 PE BRD PVC

Notes:

C = CRATE REEL PUT-UP.

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