

89913 Coax - RG-8/U Type

For more Information
please call

1-800-Belden1

**Description:**

10 AWG solid .108" bare copper conductor, plenum, semi-solid FEP insulation, Duobond II ® + tinned copper braid shield (90% coverage), fluorocopolymer jacket.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	10	Solid	BC - Bare Copper	.108

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene	.295

Outer Shield**Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	90

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 0.364 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
UL Temperature Rating:	150°C
Bulk Cable Weight:	115 lbs/1000 ft.
Max. Recommended Pulling Tension:	174 lbs.
Min. Bend Radius (Install)/Minor Axis:	6 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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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Flame Test

UL Flame Test:	NFPA 262
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C(UL) Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Non-Plenum Number:	9913
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

50

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

25

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/ft)

1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.8

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
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1.000	0.100
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10.000	0.400
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50.000	1.000
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100.000	1.600
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200.000	2.300
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400.000	3.400
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700.000	5.000
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900.000	6.000
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1000.000	6.900
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Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Notes (Overall)

Notes: Recommend use of 7733A for applications above 1 GHz.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89913 0101000	1,000 FT	128.000 LB	BLACK	C	#9-1/2FEP RG-8 TYPE COAX
89913 010500	500 FT	63.000 LB	BLACK	C	#9-1/2FEP RG-8 TYPE COAX

Notes:

C = CRATE REEL PUT-UP.

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