

89913 Coax - RG-8/U Type

For more Information
please call

1-800-Belden1

**General 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

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene	0.292

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: 0.360 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
UL Temperature Rating:	150°C
Bulk Cable Weight:	119 lbs/1000 ft.
Max. Recommended Pulling Tension:	174 lbs.
Min. Bend Radius/Minor Axis:	6 in.

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

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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
RG Type:	8/U

Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 9913

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.)
1.000	0.100
10.000	0.400
50.000	1.000
100.000	1.600
200.000	2.300
400.000	3.400
700.000	5.000
900.000	6.000
1000.000	6.900

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Notes (Overall)**Notes:** Recommend use of 7733A for applications above 1 GHz.**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89913 0101000	1,000 FT	124.000 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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