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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. (mm)
1	10	Solid	BC - Bare Copper	2.7432

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene	7.417

### 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: 9.144 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
UL Temperature Rating:	150°C
Bulk Cable Weight:	177.096 Kg/Km
Max. Recommended Pulling Tension:	773.987 N
Min. Bend Radius/Minor Axis:	152.400 mm

## 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/m)

82.025

**Nominal Velocity of Propagation:**

VP (%)

83

**Nominal Delay:**

Delay (ns/m)

3.9372

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

2.9529

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)

5.9058

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.328
10.000	1.312
50.000	3.281
100.000	5.250
200.000	7.546
400.000	11.155
700.000	16.405
900.000	19.686
1000.000	22.639

**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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