

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

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene	7.493

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 Cabling

Overall Nominal Diameter: 9.246 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +150°C

UL Temperature Rating: 150°C

Bulk Cable Weight: 171.143 Kg/Km

Max. Recommended Pulling Tension: 773.987 N

Min. Bend Radius (Install)/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 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

C(UL) Flame Test: FT6

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	305 MT	58.060 KG	BLACK	C	#9-1/2FEP RG-8 TYPE COAX
89913 0105000	152 MT	28.576 KG	BLACK	C	#9-1/2FEP RG-8 TYPE COAX

Notes:

C = CRATE REEL PUT-UP.

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