

METRIC MEASUREMENT VERSION



7733A Coax - RG-8/U Type

For more Information
please call

1-800-Belden1



General Description:

RG-8/U type, 10 AWG solid .108" bare copper conductor, plenum, foam FEP insulation, Duofoil® + 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)
FFEP - Foam Fluorinated Ethylene Propylene	7.112

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	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: 9.017 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -55°C To +150°C

UL Temperature Rating: 125°C

Bulk Cable Weight: 148.820 Kg/Km

Max. Recommended Pulling Tension: 773.987 N

Min. Bend Radius/Minor Axis: 95.250 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2P, CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

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): 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

Suitability - Outdoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

79.4002

Nominal Velocity of Propagation:

VP (%)

84

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	0.3281
10	1.3124
50	3.6091
100	4.9215
200	6.8901
400	10.4992
700	14.7645
900	18.7017
1000	19.3579
4000	46.2621

Notes (Overall)

Notes: Low Loss

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7733A 0101000	1,000 FT	105.000 LB	BLACK	C	#9-1/2 FFEP SH PVDF
7733A 010500	500 FT	53.500 LB	BLACK	C	#9-1/2 FFEP SH PVDF

Notes:

C = CRATE REEL PUT-UP.

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