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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. (in.)
1	10	Solid	BC - Bare Copper	.108

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.280

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: 0.355 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-55°C To +150°C
UL Temperature Rating:	125°C
Bulk Cable Weight:	100 lbs/1000 ft.
Max. Recommended Pulling Tension:	174 lbs.
Min. Bend Radius/Minor Axis:	3.750 in.

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/ft)

24.2

Nominal Velocity of Propagation:

VP (%)

84

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	.1
10	.4
50	1.1
100	1.5
200	2.1
400	3.2
700	4.5
900	5.7
1000	5.9
4000	14.1

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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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).