



## 7733A

Part Number: 7733A

RG-8/U Type

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### Product Description

RG-8/U type, 10 AWG solid .108" bare copper conductor, plenum, foam FEP insulation, Duofoil® & #43; tinned copper braid shield (90% coverage), fluorocopolymer jacket.

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### Product Specifications

#### Conductor

Total Number of Conductors:	1
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### Technical Specifications

#### APAC Standard

MIl Order #39 (China RoHS):	Yes
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#### Bend Radius

Min Bend Radius/Minor Axis:	3.75 in
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#### CCB-Part Number

Notes:	Low Loss
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#### CCB-Sub-Part Number

Plenum (Y/N):	Yes
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### Contact Information

PHONE_NUM:	1-800-Belden1
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#### EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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## Environmental Characteristics

Operating Temp Range:	-20°C To +150°C
Suitability - Indoor:	Yes

## EU Directive

EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
NEC/(UL) Specification:	CL2P, CMP
RG Type:	8/U

## Safety

UL Flammability:	NFPA 262
CSA Flammability:	FT6

## Temperature Range

UL Temp Rating:	125°C
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## Use

Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	174 lbs

### Impedance:

#### Nominal Characteristic Impedance

50 Ohm

### Conductor DCR:

#### Nominal Conductor DCR

0.9 Ohm/1000ft

#### Nominal Outer Shield DCR

1.8 Ohm/1000ft

**Delay:**

Nominal Delay	Nominal Velocity of Propagation (VP)
1.2 ns/ft	84 %

**Capacitance:**

Nominal Capacitance Conductor to Shield
24.2 pF/ft

**High Frequency (Nominal/Typical):**

Frequency (MHz)	Nom. Insertion Loss
1 MHz	0.1 db/100ft
10 MHz	0.4 db/100ft
50 MHz	1.1 db/100ft
100 MHz	1.5 db/100ft
200 MHz	2.1 db/100ft
400 MHz	3.2 db/100ft
700 MHz	4.5 db/100ft
900 MHz	5.7 db/100ft
1000 MHz	5.9 db/100ft
4000 MHz	14.1 db/100ft

**Insulation:**

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.28 in

**Outerjacket 1:**

Material	Nominal Diameter
PVDF - Fluorocopolymer	0.355 in

**Conductor:**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
10	Solid	BC - Bare Copper	0.108 in	1

**Outershield 1:**

Type	Layer	Material	Material Trade Name	Coverage
Tape	1	Aluminum Foil- Polyester Tape- Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		90 %

## Product Variants

Part Number	Color	Put-Up Type	Length
7733A 0101000	BLACK	Reel	1000 ft
7733A 010500	BLACK	Reel	500 ft

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