

8215 Coax - 75 Ohm Coax

For more Information  
please call

1-800-Belden1



## Description:

21 AWG solid .028" bare copper-covered steel conductor, polyethylene insulation, double bare copper braid shields (98% coverage), polyethylene jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	21	Solid	BCCS - Bare Copper Covered Steel	.028

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.185

### Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	BC - Bare Copper	96
2	Braid	BC - Bare Copper	96

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

### Overall Cable

Overall Nominal Diameter: 0.332 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -55°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 69 lbs/1000 ft.

Max. Recommended Pulling Tension: 180 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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): 01/01/2004

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:	6A/U

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)
75

#### Nom. Inductance:

Inductance (µH/ft)
.115

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
20.5

#### Nominal Velocity of Propagation:

VP (%)
66

#### Nominal Delay:

Delay (ns/ft)
1.54

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
32.0

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.1

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.4
10	.8
50	1.9
100	2.7
200	4.1
400	5.9
700	8.1
900	9.4
1000	9.8

#### Max. Operating Voltage - Non-UL:

Voltage
2700 V RMS

#### Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	450	23

### Sweep Test

**Sweep Testing:** 100% Sweep tested 5 MHz to 450 MHz.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8215 0101000	1,000 FT	74.000 LB	BLACK	C	RG-6A/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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