

## 9232 Coax - RG-11/U Type

For more Information  
please call

1-800-Belden1

**General Description:**

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, paper tape separator, bare copper braid shields (90% and 80% coverage), CSPE - Chlorosulphonated Polyethylene jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	15	19x27	BC - Bare Copper	.064

Total Number of Conductors: 1

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.312

**Inner Shield****Inner Shield Material:**

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	90

**Inner Jacket****Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PE - Polyethylene	.391

**Outer Shield****Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	80.000

Outer Shield Separator Material: Paper Tape

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
CSPE - Chlorosulphonated Polyethylene

**Overall Cable**

Overall Nominal Diameter: 0.520 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 135 lbs/1000 ft.

Max. Recommended Pulling Tension: 239 lbs.

Min. Bend Radius/Minor Axis: 5.250 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1641 (30 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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:	11/U

### Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
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### Suitability

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
75

### Nom. Inductance:

Inductance (μH/ft)
0.097

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.3

### Nominal Velocity of Propagation:

VP (%)
78

### Nominal Delay:

Delay (ns/ft)
1.30

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.1

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.6

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.6

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.100
3.600	0.300
10.000	0.500
71.500	1.200
135.000	1.800
270.000	2.600
360.000	3.100
540.000	3.900
720.000	4.700
750.000	4.800
1000.000	5.700

**Max. Operating Voltage - UL:**

Voltage
30 V RMS

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

Voltage
300 V RMS

**Other Electrical Characteristic 1:** Nominal Capacitance 1st Shield to 2nd Shield: 205 pf/ft.

**Other Electrical Characteristic 2:** Nominal Voltage Breakdown: 20K V RMS

**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	450	21

**Sweep Test**

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

**Misc. Information (Overall)****Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9232 0101000	1,000 FT	142.000 LB	BLACK	C	75 OHM TRIAX
9232 010500	500 FT	76.500 LB	BLACK	C	75 OHM TRIAX

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 9    Revision Date: 10-04-2012

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