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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. (mm)
1	15	19x27	BC - Bare Copper	1.6256

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	7.9248

### 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. (mm)
PE - Polyethylene	9.9314

### 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: 13.208 mm

## 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: 200.907 Kg/Km

Max. Recommended Pulling Tension: 1063.120 N

Min. Bend Radius/Minor Axis: 133.350 mm

## 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:	VW-1
Other Flame Test:	UL2556

### 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/m)
0.318257

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
56.7613

### Nominal Velocity of Propagation:

VP (%)
78

### Nominal Delay:

Delay (ns/m)
4.2653

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
10.1711

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
5.2496

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
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5.2496

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.328
3.600	0.984
10.000	1.641
71.500	3.937
135.000	5.906
270.000	8.531
360.000	10.171
540.000	12.796
720.000	15.421
750.000	15.749
1000.000	18.702

**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)**

**Other Description:** BAG 08/13/04: Correct Cond. DCR

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9232 010X	1 FT	0.141 LB	BLACK	C	75 OHM TRIAX
9232 0101000	1,000 FT	141.000 LB	BLACK	C	75 OHM TRIAX
9232 010500	500 FT	75.500 LB	BLACK	C	75 OHM TRIAX

**Notes:**

C = CRATE REEL PUT-UP.

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