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1-800-Belden1



## General Description:

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, bare copper braid shields (90% and 80% coverage), PVC jacket (polyethylene insulation between braids).

## 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	90.000

### 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	90.000

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.520 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 60°C, 80°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 139 lbs/1000 ft.

Max. Recommended Pulling Tension: 239 lbs.

Min. Bend Radius/Minor Axis: 5.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2X
AWM Specification:	UL Style 1641 (30 V 80°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
MIL 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 - Black for Permanent Outdoor Installations; All Colors Suitable for Outdoor Field Deployable Use.

**Plenum/Non-Plenum**

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

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
75

**Nom. Inductance:**

<b>Inductance (µH/ft)</b>
0.097

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/ft)</b>
17.3

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
78

**Nominal Delay:**

<b>Delay (ns/ft)</b>
1.30

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
3.1

**Nom. Inner Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
1.6

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
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:**

<b>Voltage</b>
150 V RMS
30 V RMS

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

<b>Voltage</b>
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	850	21

**Sweep Test**

Sweep Testing:

100% sweep tested 5 MHz to 850 MHz.

**Misc. Information (Overall)**

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9192 0041000	1,000 FT	147.000 LB	YELLOW	C	75 OHM TRIAX

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 6    Revision Date: 08-02-2012

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