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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. (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
MIL 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/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	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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