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1-800-Belden1



General Description:

18 AWG solid .040" bare copper conductor, foam PE insulation, Duobond® II plus a tinned copper braid shield (85% coverage), PVC jacket.

Usage (Overall)

Suitable Applications: Commercial Video

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BC - Bare Copper	.040

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.170

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duobond® II	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	85.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.235 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 29 lbs/1000 ft.

Max. Recommended Pulling Tension: 59 lbs.

Min. Bend Radius/Minor Axis: 2.350 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMR

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	11/22/2011
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:	6/U

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1369P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.106

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.600

Nominal Velocity of Propagation:

VP (%)
84.000

Nominal Delay:

Delay (ns/ft)
1.210

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.600

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.240
3.580	0.440
5.000	0.520
6.000	0.570
7.000	0.610
10.000	0.710
12.000	0.780
25.000	1.080
67.500	1.650

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71.500	1.690
88.500	1.860
100.000	1.950
135.000	2.240
143.000	2.300
180.000	2.570
270.000	3.170
360.000	3.690
540.000	4.600
720.000	5.380
750.000	5.500
1000.000	6.420
1500.000	7.990
2000.000	9.370
2250.000	10.010
3000.000	11.780

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1: Impedance tested in accordance with ASTM D-4566 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms

Other Electrical Characteristic 2: Return Loss tested in accordance with ASTM D-4566 paragraph 50.3, using a 75 Ohm fixed bridge and termination.

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	3000.000	15.000

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1369R N3U1000	1,000 FT	31.000 LB	GREEN, MIL		#18 PE/GIFHDL DPE SH PVC
1369R N3U500	500 FT	16.000 LB	GREEN, MIL		#18 PE/GIFHDL DPE SH PVC
1369R 0011000	1,000 FT	31.000 LB	BROWN		#18 PE/GIFHDL DPE SH PVC
1369R 001500	500 FT	16.000 LB	BROWN		#18 PE/GIFHDL DPE SH PVC
1369R 0021000	1,000 FT	31.000 LB	RED		#18 PE/GIFHDL DPE SH PVC
1369R 002500	500 FT	16.000 LB	RED		#18 PE/GIFHDL DPE SH PVC
1369R 0031000	1,000 FT	31.000 LB	ORANGE		#18 PE/GIFHDL DPE SH PVC
1369R 003500	500 FT	16.000 LB	ORANGE		#18 PE/GIFHDL DPE SH PVC
1369R 0041000	1,000 FT	31.000 LB	YELLOW		#18 PE/GIFHDL DPE SH PVC
1369R 004500	500 FT	16.000 LB	YELLOW		#18 PE/GIFHDL DPE SH PVC
1369R 0061000	1,000 FT	31.000 LB	BLUE, LIGHT		#18 PE/GIFHDL DPE SH PVC
1369R 006500	500 FT	16.000 LB	BLUE, LIGHT		#18 PE/GIFHDL DPE SH PVC
1369R 0071000	1,000 FT	31.000 LB	VIOLET		#18 PE/GIFHDL DPE SH PVC
1369R 007500	500 FT	16.000 LB	VIOLET		#18 PE/GIFHDL DPE SH PVC
1369R 0081000	1,000 FT	31.000 LB	GRAY		#18 PE/GIFHDL DPE SH PVC
1369R 008500	500 FT	16.000 LB	GRAY		#18 PE/GIFHDL DPE SH PVC
1369R 0091000	1,000 FT	31.000 LB	WHITE		#18 PE/GIFHDL DPE SH PVC
1369R 009500	500 FT	16.000 LB	WHITE		#18 PE/GIFHDL DPE SH PVC
1369R 0101000	1,000 FT	31.000 LB	BLACK		#18 PE/GIFHDL DPE SH PVC
1369R 010500	500 FT	16.000 LB	BLACK		#18 PE/GIFHDL DPE SH PVC

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