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1-800-Belden1



General Description:

Video Cable, Plenum-CMP, RG6, 18 AWG solid bare copper, foam FEP insulation, Duofoil®+85% tinned copper braid, Flamarrest® 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 Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	0.168

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 Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.231 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 33.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 64 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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): 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

1369P Coax - System Integrators Video Cable

MII Order #39 (China RoHS): Yes

RG Type: 6/U

Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 1369R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

0.103

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.300

Nominal Velocity of Propagation:

VP (%)

83.000

Nominal Delay:

Delay (ns/ft)

1.220

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	0.450
5.000	0.550
7.000	0.650
10.000	0.750
67.500	1.740
71.500	1.780
88.500	1.940
100.000	2.100
135.000	2.400
143.000	2.500
180.000	2.800
270.000	3.400
360.000	4.000
540.000	5.200
720.000	6.100
750.000	6.200
1000.000	7.300
1500.000	9.200
2000.000	10.900
2250.000	11.600
3000.000	13.700

Max. Operating Voltage - UL:

Voltage

300 V RMS

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Other Electrical Characteristic 1: Impedance tested in accordance with ASTM D 4566 - 05 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination.

Other Electrical Characteristic 2: Return Loss tested in accordance with ASTM D 4566 - 05 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

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1369P N3U1000	1,000 FT	35.000 LB	GREEN, MIL		#18 FFEP SH FLRST
1369P N3U500	500 FT	13.500 LB	GREEN, MIL		#18 FFEP SH FLRST
1369P 0011000	1,000 FT	35.000 LB	BROWN		#18 FFEP SH FLRST
1369P 001500	500 FT	13.500 LB	BROWN		#18 FFEP SH FLRST
1369P 0021000	1,000 FT	35.000 LB	RED		#18 FFEP SH FLRST
1369P 002500	500 FT	13.500 LB	RED		#18 FFEP SH FLRST
1369P 0031000	1,000 FT	35.000 LB	ORANGE		#18 FFEP SH FLRST
1369P 003500	500 FT	13.500 LB	ORANGE		#18 FFEP SH FLRST
1369P 0041000	1,000 FT	35.000 LB	YELLOW		#18 FFEP SH FLRST
1369P 004500	500 FT	13.500 LB	YELLOW		#18 FFEP SH FLRST
1369P 0061000	1,000 FT	35.000 LB	BLUE, LIGHT		#18 FFEP SH FLRST
1369P 006500	500 FT	13.500 LB	BLUE, LIGHT		#18 FFEP SH FLRST
1369P 0071000	1,000 FT	35.000 LB	VIOLET		#18 FFEP SH FLRST
1369P 007500	500 FT	13.500 LB	VIOLET		#18 FFEP SH FLRST
1369P 0081000	1,000 FT	35.000 LB	GRAY		#18 FFEP SH FLRST
1369P 008500	500 FT	13.500 LB	GRAY		#18 FFEP SH FLRST
1369P 0091000	1,000 FT	35.000 LB	WHITE		#18 FFEP SH FLRST
1369P 009500	500 FT	13.500 LB	WHITE		#18 FFEP SH FLRST
1369P 0101000	1,000 FT	35.000 LB	BLACK		#18 FFEP SH FLRST
1369P 010500	500 FT	13.500 LB	BLACK		#18 FFEP SH FLRST

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