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1-800-Belden1



General Description:

Video Cable, Plenum-CMP, RG59 20 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	20	Solid	BC - Bare Copper	.032

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.133

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®	PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.192 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 24 lbs/1000 ft.

Max. Recommended Pulling Tension: 57 lbs.

Min. Bend Radius/Minor Axis: 2 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: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 11/21/2011

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

1370P Coax - System Integrators Video Cable

MII Order #39 (China RoHS): Yes

RG Type: 59/U

Flame Test

UL Flame Test: NFPA 262

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 1370R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.1

Nominal Velocity of Propagation:

VP (%)

84

Nominal Delay:

Delay (ns/ft)

1.21

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.100

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.100

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.29
3.58	.62
5	.70
7	.82
10	1.05
67.5	2.20
71.5	2.25
100	2.70
135	3.20
143	3.25
180	3.65
270	4.55
360	5.25
540	6.4
720	7.3
750	7.5
1000	9.4
1500	12.8
2250	17.5
3000	21.9

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.

Other Electrical Characteristic 2:

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

1370P Coax - System Integrators Video Cable

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
1370P N3U1000	1,000 FT	26.000 LB	GREEN, MIL		#20 FFEP SH FLRST
1370P N3U500	500 FT	13.500 LB	GREEN, MIL		#20 FFEP SH FLRST
1370P 0011000	1,000 FT	26.000 LB	BROWN		#20 FFEP SH FLRST
1370P 001500	500 FT	13.500 LB	BROWN		#20 FFEP SH FLRST
1370P 0021000	1,000 FT	26.000 LB	RED		#20 FFEP SH FLRST
1370P 002500	500 FT	13.500 LB	RED		#20 FFEP SH FLRST
1370P 0031000	1,000 FT	26.000 LB	ORANGE		#20 FFEP SH FLRST
1370P 003500	500 FT	13.500 LB	ORANGE		#20 FFEP SH FLRST
1370P 0041000	1,000 FT	26.000 LB	YELLOW		#20 FFEP SH FLRST
1370P 004500	500 FT	13.500 LB	YELLOW		#20 FFEP SH FLRST
1370P 0061000	1,000 FT	26.000 LB	BLUE, LIGHT		#20 FFEP SH FLRST
1370P 006500	500 FT	13.500 LB	BLUE, LIGHT		#20 FFEP SH FLRST
1370P 0071000	1,000 FT	26.000 LB	VIOLET		#20 FFEP SH FLRST
1370P 007500	500 FT	13.500 LB	VIOLET		#20 FFEP SH FLRST
1370P 0081000	1,000 FT	26.000 LB	GRAY		#20 FFEP SH FLRST
1370P 008500	500 FT	13.500 LB	GRAY		#20 FFEP SH FLRST
1370P 0091000	1,000 FT	26.000 LB	WHITE		#20 FFEP SH FLRST
1370P 009500	500 FT	13.500 LB	WHITE		#20 FFEP SH FLRST
1370P 0101000	1,000 FT	26.000 LB	BLACK		#20 FFEP SH FLRST
1370P 010500	500 FT	13.500 LB	BLACK		#20 FFEP SH FLRST

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