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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. (mm)
1	20	Solid	BC - Bare Copper	0.8128

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	3.3782

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: 4.877 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 35.717 Kg/Km

Max. Recommended Pulling Tension: 253.547 N

Min. Bend Radius/Minor Axis: 50.800 mm

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

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/m)

0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

52.8241

Nominal Velocity of Propagation:

VP (%)

84

Nominal Delay:

Delay (ns/m)

3.97001

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

33.138

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

13.452

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.95149
3.58	2.03422
5	2.2967
7	2.69042
10	3.44505
67.5	7.2182
71.5	7.38225
100	8.8587
135	10.4992
143	10.6633
180	11.9757
270	14.9286
360	17.2252
540	20.9984
720	23.9513
750	24.6075
1000	30.8414
1500	41.9968
2250	57.4175
3000	71.8539

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.

METRIC MEASUREMENT VERSION

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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