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1-800-Belden1



General Description:

Video Cable, Plenum-CMP, sub-miniature RG59, 23 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	23	Solid	BC - Bare Copper	0.584

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FEP - Foam Florinated Ethylene Propylene	2.591

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: 4.064 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 28.276 Kg/Km

Max. Recommended Pulling Tension: 160.135 N

Min. Bend Radius/Minor Axis: 38.100 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

1371P Coax - System Integrators Video Cable

MII Order #39 (China RoHS):	Yes
RG Type:	Sub-miniature 59/U
Flame Test	
UL Flame Test:	UL910 Steiner Tunnel
C(UL) Flame Test:	FT6
CSA Flame Test:	FT6
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	1371R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.348

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

54.465

Nominal Velocity of Propagation:

VP (%)

80.000

Nominal Delay:

Delay (ns/m)

4.167

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

65.948

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

15.093

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.247
3.600	2.494
10.000	4.265
71.500	10.171
135.000	13.452
270.000	19.030
360.000	22.639
540.000	28.545
720.000	33.794
750.000	34.451
1000.000	40.684
1500.000	51.512
2250.000	65.292
3000.000	78.088

Max. Operating Voltage - UL:

Voltage

300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 45.2, 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
1371P N3U1000	1,000 FT	20.000 LB	GREEN, MIL		#23 FFEP SH FLRST
1371P N3U500	500 FT	10.500 LB	GREEN, MIL		#23 FFEP SH FLRST
1371P 0011000	1,000 FT	20.000 LB	BROWN		#23 FFEP SH FLRST
1371P 001500	500 FT	10.500 LB	BROWN		#23 FFEP SH FLRST
1371P 0021000	1,000 FT	20.000 LB	RED		#23 FFEP SH FLRST
1371P 002500	500 FT	10.500 LB	RED		#23 FFEP SH FLRST
1371P 0031000	1,000 FT	20.000 LB	ORANGE		#23 FFEP SH FLRST
1371P 003500	500 FT	10.500 LB	ORANGE		#23 FFEP SH FLRST
1371P 0041000	1,000 FT	20.000 LB	YELLOW		#23 FFEP SH FLRST
1371P 004500	500 FT	10.500 LB	YELLOW		#23 FFEP SH FLRST
1371P 0061000	1,000 FT	20.000 LB	BLUE, LIGHT		#23 FFEP SH FLRST
1371P 006500	500 FT	10.500 LB	BLUE, LIGHT		#23 FFEP SH FLRST
1371P 0071000	1,000 FT	20.000 LB	VIOLET		#23 FFEP SH FLRST
1371P 007500	500 FT	10.500 LB	VIOLET		#23 FFEP SH FLRST
1371P 0081000	1,000 FT	20.000 LB	GRAY		#23 FFEP SH FLRST
1371P 008500	500 FT	10.500 LB	GRAY		#23 FFEP SH FLRST
1371P 0091000	1,000 FT	20.000 LB	WHITE		#23 FFEP SH FLRST
1371P 009500	500 FT	10.500 LB	WHITE		#23 FFEP SH FLRST
1371P 0101000	1,000 FT	20.000 LB	BLACK		#23 FFEP SH FLRST
1371P 010500	500 FT	10.500 LB	BLACK		#23 FFEP SH FLRST

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