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1-800-Belden1



General Description:

Video Cable, Riser-CMR, sub-miniature RG59, 23 AWG solid bare copper, foam polyethylene insulation, Duofoil®+85% aluminum braid, PVC jacket

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	23	Solid	BC - Bare Copper	0.5842

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	2.5908

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: 4.064 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 23.067 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: 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): 11/21/2011

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: Sub-miniature 59/U

Flame Test

UL Flame Test: UL1666 Vertical Shaft

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 1371P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.348

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.4803

Nominal Velocity of Propagation:

VP (%)

82

Nominal Delay:

Delay (ns/m)

4.068

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

65.9481

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

15.093

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.280
3.580	2.559
5.000	3.019
6.000	3.281
7.000	3.543
10.000	3.937
12.000	4.265
25.000	5.906
67.500	9.285
71.500	10.040
88.500	10.368
100.000	10.926
135.000	12.501
143.000	12.862
180.000	14.371
270.000	17.717
360.000	20.342
540.000	25.264
720.000	31.071
750.000	31.465
1000.000	34.451
1500.000	42.653
2000.000	49.543
2250.000	52.496
3000.000	60.699

Max. Operating Voltage - UL:

Voltage

300 V RMS

METRIC MEASUREMENT VERSION

1371R Coax - System Integrators Video Cable

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
1371R N3U1000	1,000 FT	17.000 LB	GREEN, MIL		#23 PE/GIFHLDPE SH PVC
1371R N3U500	500 FT	9.000 LB	GREEN, MIL		#23 PE/GIFHLDPE SH PVC
1371R 0011000	1,000 FT	17.000 LB	BROWN		#23 PE/GIFHLDPE SH PVC
1371R 001500	500 FT	9.000 LB	BROWN		#23 PE/GIFHLDPE SH PVC
1371R 0021000	1,000 FT	17.000 LB	RED		#23 PE/GIFHLDPE SH PVC
1371R 002500	500 FT	9.000 LB	RED		#23 PE/GIFHLDPE SH PVC
1371R 0031000	1,000 FT	17.000 LB	ORANGE		#23 PE/GIFHLDPE SH PVC
1371R 003500	500 FT	9.000 LB	ORANGE		#23 PE/GIFHLDPE SH PVC
1371R 0041000	1,000 FT	17.000 LB	YELLOW		#23 PE/GIFHLDPE SH PVC
1371R 004500	500 FT	9.000 LB	YELLOW		#23 PE/GIFHLDPE SH PVC
1371R 0061000	1,000 FT	17.000 LB	BLUE, LIGHT		#23 PE/GIFHLDPE SH PVC
1371R 006500	500 FT	9.000 LB	BLUE, LIGHT		#23 PE/GIFHLDPE SH PVC
1371R 0071000	1,000 FT	17.000 LB	VIOLET		#23 PE/GIFHLDPE SH PVC
1371R 007500	500 FT	9.000 LB	VIOLET		#23 PE/GIFHLDPE SH PVC
1371R 0081000	1,000 FT	17.000 LB	GRAY		#23 PE/GIFHLDPE SH PVC
1371R 008500	500 FT	9.000 LB	GRAY		#23 PE/GIFHLDPE SH PVC
1371R 0091000	1,000 FT	17.000 LB	WHITE		#23 PE/GIFHLDPE SH PVC
1371R 009500	500 FT	9.000 LB	WHITE		#23 PE/GIFHLDPE SH PVC
1371R 0101000	1,000 FT	17.000 LB	BLACK		#23 PE/GIFHLDPE SH PVC
1371R 010500	500 FT	9.000 LB	BLACK		#23 PE/GIFHLDPE SH PVC

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