

For more Information
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1-800-Belden1



General Description:

Video Cable, Riser-CMR, RG59, 20 AWG solid bare copper, foam polyethylene insulation, Duofoil®+85% tinned copper braid, PVC 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 Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	3.454

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: 5.131 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 32.740 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: 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:	59/U

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1370P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.351067

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
54.465

Nominal Velocity of Propagation:

VP (%)
84.000

Nominal Delay:

Delay (ns/m)
3.970

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)
1.000	0.984
3.600	1.969
5.000	2.067
6.000	2.264
7.000	2.428
10.000	2.953
12.000	2.986
25.000	4.265
67.500	6.726

71.500	6.890
88.500	7.218
100.000	7.546
135.000	8.859
143.000	9.187
180.000	10.171
270.000	12.468
360.000	14.436
540.000	18.046
720.000	20.998
750.000	21.327
1000.000	24.936
1500.000	30.513
2000.000	35.763
2250.000	38.060
3000.000	43.965

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. 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
1370R N3U1000	1,000 FT	24.000 LB	GREEN, MIL		#20 PE/GIFHDLDPPE SH PVC
1370R 0031000	1,000 FT	24.000 LB	ORANGE		#20 PE/GIFHDLDPPE SH PVC
1370R 003500	500 FT	12.500 LB	ORANGE		#20 PE/GIFHDLDPPE SH PVC
1370R 0061000	1,000 FT	24.000 LB	BLUE, LIGHT		#20 PE/GIFHDLDPPE SH PVC
1370R 0091000	1,000 FT	24.000 LB	WHITE		#20 PE/GIFHDLDPPE SH PVC
1370R 009500	500 FT	12.500 LB	WHITE		#20 PE/GIFHDLDPPE SH PVC
1370R 0101000	1,000 FT	24.000 LB	BLACK		#20 PE/GIFHDLDPPE SH PVC

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