

1355R Coax - System Integrators Video Coax RG59 Type CMR - Replaced by 1370R



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General Description:

Commercial Video Cable, RG59, Riser-CMR, 20 AWG solid bare copper, foamed polyolefin core, Duobond®+85% bare copper braid,PVC jacket

Usage (Overall)

Suitable Applications: SDI Video, Hi-Def Surveillance Cameras, Compression Connectors, Plasma and LCD Screens, Projectors, White Boards, Video Display, FT4

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 Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.145

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil	Tape	EAA/Aluminum/Polyester/Aluminum	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: 0.235 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 22 lbs/1000 ft.

Max. Recommended Pulling Tension: 44 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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): 03/29/2007

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

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

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

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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
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1355P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.107

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.3

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/ft)
1.22

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.400

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.330
3.600	0.660
5.000	0.690
7.000	0.810
10.000	0.990
67.500	2.260
71.500	2.310
88.500	2.420
100.000	2.530
135.000	2.970
143.000	3.080
180.000	3.410
270.000	4.070
360.000	4.740
540.000	5.890
720.000	6.590
750.000	6.720
1000.000	7.880
1500.000	9.620
2000.000	11.230
2250.000	11.980
3000.000	13.870

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms

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Other Electrical Characteristic 2:

Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	3000	15

Sweep Test

Sweep Testing:

Sweep tested 5 MHz to 3.0 GHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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