

## 1355R Coax - System Integrators Video Coax RG59 Type CMR



For more Information  
please call

1-800-Belden1

**Description:**

20 AWG solid .032" bare copper conductor, gas-injected foam HDPE insulation, bonded Duofoil® + tinned copper braid shield (85% coverage) , 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

**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 (Install)/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 CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	03/29/2007
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	59/U
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**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
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Plenum Number:	1355P
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**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

## 1355R Coax - System Integrators Video Coax RG59 Type CMR

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:**

<b>Voltage</b>
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

**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.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1355R 002U1000	1,000 FT	25.000 LB	RED		#20 LDPE/GIFHDLDPE SH FRPVC
1355R 005U1000	1,000 FT	25.000 LB	GREEN, DARK		#20 LDPE/GIFHDLDPE SH FRPVC
1355R 006U1000	1,000 FT	25.000 LB	BLUE, LIGHT		#20 LDPE/GIFHDLDPE SH FRPVC
1355R 009U1000	1,000 FT	25.000 LB	WHITE		#20 LDPE/GIFHDLDPE SH FRPVC
1355R 010U1000	1,000 FT	25.000 LB	BLACK		#20 LDPE/GIFHDLDPE SH FRPVC

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