

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, tinned copper braid shield (85% coverage) + bonded Beldfoil®, 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. (mm)
1	20	Solid	BC - Bare Copper	0.8128

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	3.429

Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	TC - Tinned Copper	85
2	Braid	Aluminum Foil-Polyester-PVC Heat Seal	100

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 5.232 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:	195.721 N
Min. Bend Radius (Install)/Minor Axis:	63.500 mm

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
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
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/m)

0.351067

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.4803

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/m)

4.00282

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

32.81

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

14.436

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1	0.9843
3.6	1.9686
5	2.06703
7	2.52637
10	2.9529
67.5	6.92291
71.5	7.05415
88.5	7.8744
100	8.5306
135	9.843
143	9.94143
180	11.1554
270	14.1083

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360	16.0769
540	20.0141
720	23.6232
750	23.9513
1000	27.8885
1500	35.1067
2000	41.3406
2250	44.2935
3000	53.1522

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

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
1355R 002U1000	305 MT	11.340 KG	RED		#20LDPE/GIFHDLPE BRD FS FRPVC
1355R 005U1000	305 MT	11.340 KG	GREEN, DARK		#20LDPE/GIFHDLPE BRD FS FRPVC
1355R 006U1000	305 MT	11.340 KG	BLUE, LIGHT		#20LDPE/GIFHDLPE BRD FS FRPVC
1355R 009U1000	305 MT	11.340 KG	WHITE		#20LDPE/GIFHDLPE BRD FS FRPVC
1355R 010U1000	305 MT	11.340 KG	BLACK		#20LDPE/GIFHDLPE BRD FS FRPVC

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