

1356R Coax - System Integrators Video Coax RG6 Type CMR



For more Information
please call

1-800-Belden1



Description:

18 AWG solid .040" bare copper conductor, gas-injected FHDPE insulation, tinned copper braid shield (85% coverage) + bonded Beldfoil® (100% coverage), FRPVC 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	18	Solid	BC - Bare Copper	0.040

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected Foamed HDPE - Foam High Density Polyethylene	0.168

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1		Braid	TC - Tinned Copper	85.000
2	Beldfoil®	Tape	Aluminum Foil-Polyester Tape-PVC Heat Seal	100.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
F-R PVC - Flame Retardant Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 0.236 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	33 lbs/1000 ft.
Max. Recommended Pulling Tension:	20 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
EU RoHS Compliance Date (mm/dd/yyyy):	04/21/2008
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:	6/U

Flame Test

UL Flame Test:	UL1666 Riser
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1356P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.107

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.400

Nominal Velocity of Propagation:

VP (%)
84.000

Nominal Delay:

Delay (ns/ft)
1.22

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.300

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.400

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.200
3.600	0.400
5.000	0.470
7.000	0.550
10.000	0.660
67.500	1.750
71.500	1.810
88.500	2.020
100.000	2.150
135.000	2.530
143.000	2.610
180.000	2.920
270.000	3.610

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360.000	4.180
540.000	5.220
720.000	6.110
750.000	6.250
1000.000	7.340
1500.000	9.150
2000.000	10.780
2250.000	11.560
3000.000	13.770

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
1356R 002U1000	1,000 FT	33.000 LB	RED		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 005U1000	1,000 FT	33.000 LB	GREEN, DARK		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 006U1000	1,000 FT	33.000 LB	BLUE, LIGHT		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 009U1000	1,000 FT	33.000 LB	WHITE		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 010U1000	1,000 FT	33.000 LB	BLACK		#18 PE/GIFHDLDPPE BRD FS FRPVC

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