

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. (mm)
1	18	Solid	BC - Bare Copper	1.016

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected Foamed HDPE - Foam High Density Polyethylene	4.267

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: 5.994 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	49.111 Kg/Km
Max. Recommended Pulling Tension:	88.964 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):	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/m)

0.351067

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.808

Nominal Velocity of Propagation:

VP (%)

84.000

Nominal Delay:

Delay (ns/m)

4.00282

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.670

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

14.436

Nom. Attenuation:

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

1.000	0.656
3.600	1.312
5.000	1.542
7.000	1.805
10.000	2.165
67.500	5.742
71.500	5.939
88.500	6.628
100.000	7.054
135.000	8.301
143.000	8.563
180.000	9.581
270.000	11.844

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360.000	13.715
540.000	17.127
720.000	20.047
750.000	20.506
1000.000	24.083
1500.000	30.021
2000.000	35.369
2250.000	37.928
3000.000	45.179

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	305 MT	14.969 KG	RED		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 005U1000	305 MT	14.969 KG	GREEN, DARK		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 006U1000	305 MT	14.969 KG	BLUE, LIGHT		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 009U1000	305 MT	14.969 KG	WHITE		#18 PE/GIFHDLDPPE BRD FS FRPVC
1356R 010U1000	305 MT	14.969 KG	BLACK		#18 PE/GIFHDLDPPE BRD FS FRPVC

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