

1356P Coax - System Integrators Video Coax RG6 Type CMP

For more Information
please call

1-800-Belden1



Description:

18 AWG solid .040" bare copper conductor, gas-injected foam FEP insulation, tinned copper braid shield (85% coverage) + bonded Beldfoil®, Flamarrest 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 FFEP	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	Bonded Beldfoil®	Tape	Aluminum Foil-Polyester-PVC Heat Seal	100.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Flamarrest®

Overall Cabling

Overall Nominal Diameter: 0.234 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	37 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:	CMP
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:	UL910 Plenum, UL910 Steiner Tunnel
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1356R

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)
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	0.196
3.600	0.401
5.000	0.476
7.000	0.564
10.000	0.675
67.500	1.820
71.500	1.880
88.500	2.111
100.000	2.250
135.000	2.660
143.000	2.740
180.000	3.110
270.000	3.910

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360.000	4.598
540.000	5.845
720.000	6.932
750.000	7.131
1000.000	8.454
1500.000	10.840
2000.000	12.968
2250.000	14.803
3000.000	16.900

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
1356P 002U1000	1,000 FT	39.000 LB	RED		#18 FFEP BRD FS FLRST
1356P 005U1000	1,000 FT	39.000 LB	GREEN, DARK		#18 FFEP BRD FS FLRST
1356P 006U1000	1,000 FT	39.000 LB	BLUE, LIGHT		#18 FFEP BRD FS FLRST
1356P 009U1000	1,000 FT	39.000 LB	WHITE		#18 FFEP BRD FS FLRST

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