Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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, bonded Duofoil® + tinned copper braid shield (85% coverage), 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	Bonded Duofoil®	Tape	EAA/Aluminum/Polyester/Aluminum	100.000
2		Braid	TC - Tinned Copper	85.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Flamarrest®

Overall Cable

Overall Nominal Diameter:	0.230 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

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

Suitability

Suitability - Indoor:	Yes

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	0.264
3.600	0.495
5.000	0.605
7.000	0.715
10.000	1.862
67.500	1.905
71.500	2.076
88.500	2.247
100.000	2.205
135.000	2.520
143.000	2.625
180.000	2.940
270.000	3.570

360.000	4.200
540.000	5.460
720.000	6.720
750.000	6.510
1000.000	7.665
1500.000	9.660
2000.000	11.445
2250.000	12.180
3000.000	14.385

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.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1356P 002U1000	1,000 FT	36.000 LB	RED		#18 FFEP SH FLRST
1356P 005U1000	1,000 FT	36.000 LB	GREEN, DARK		#18 FFEP SH FLRST
1356P 006U1000	1,000 FT	36.000 LB	BLUE, LIGHT		#18 FFEP SH FLRST
1356P 009U1000	1,000 FT	36.000 LB	WHITE		#18 FFEP SH FLRST

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