## **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	<b>Conductor Material</b>	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

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

### **Electrical Characteristics (Overall)**

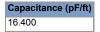
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**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



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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

> Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 Other Electrical Characteristic 1:

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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