Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

1369P Coax - System Integrators Video Cable

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

General Description:

Video Cable, Plenum-CMP, RG6, 18 AWG solid bare copper, foam FEP insulation, Duofoil®+85% tinned copper braid, Flamarrest® jacket

Usage (Overall)

Suitable Applications:	Commercial Video

Physical Characteristics (Overall)

Conductor
AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Total Number of Conductors:	1

Insulation
Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	4.267

Outer Shield
Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duobond® II	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	85.000

Outer Jacket
Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter:	5.867 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	49.855 Kg/Km
Max. Recommended Pulling Tension:	284.685 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	11/22/2011
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

METRIC MEASUREMENT VERSION

MII Order #39 (China RoHS):	Yes
RG Type:	6/U

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1369R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.337943

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.480

Nominal Velocity of Propagation:

VP (%)
83.000

Nominal Delay:

Delay (ns/m)
4.003

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
20.9984

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
11.812

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.787
3.580	1.476
5.000	1.805
7.000	2.133
10.000	2.461
67.500	5.709
71.500	5.840
88.500	6.365
100.000	6.890
135.000	7.874
143.000	8.203
180.000	9.187
270.000	11.155
360.000	13.124
540.000	17.061
720.000	20.014
750.000	20.342
1000.000	23.951
1500.000	30.185
2000.000	35.763
2250.000	38.060
3000.000	44.950

Max. Operating Voltage - UL:

Voltage
300 V RMS

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Other Electrical Characteristic 1:	Impedance tested in accordance with ASTM D 4566 - 05 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination.
Other Electrical Characteristic 2:	Return Loss tested in accordance with ASTM D 4566 - 05 paragraph 50.3, using a 75 Ohm fixed bridge and termination.

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	3000.000	15.000

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1369P N3U1000	1,000 FT	35.000 LB	GREEN, MIL		#18 FFEP SH FLRST
1369P N3U500	500 FT	13.500 LB	GREEN, MIL		#18 FFEP SH FLRST
1369P 0011000	1,000 FT	35.000 LB	BROWN		#18 FFEP SH FLRST
1369P 001500	500 FT	13.500 LB	BROWN		#18 FFEP SH FLRST
1369P 0021000	1,000 FT	35.000 LB	RED		#18 FFEP SH FLRST
1369P 002500	500 FT	13.500 LB	RED		#18 FFEP SH FLRST
1369P 0031000	1,000 FT	35.000 LB	ORANGE		#18 FFEP SH FLRST
1369P 003500	500 FT	13.500 LB	ORANGE		#18 FFEP SH FLRST
1369P 0041000	1,000 FT	35.000 LB	YELLOW		#18 FFEP SH FLRST
1369P 004500	500 FT	13.500 LB	YELLOW		#18 FFEP SH FLRST
1369P 0061000	1,000 FT	35.000 LB	BLUE, LIGHT		#18 FFEP SH FLRST
1369P 006500	500 FT	13.500 LB	BLUE, LIGHT		#18 FFEP SH FLRST
1369P 0071000	1,000 FT	35.000 LB	VIOLET		#18 FFEP SH FLRST
1369P 007500	500 FT	13.500 LB	VIOLET		#18 FFEP SH FLRST
1369P 0081000	1,000 FT	35.000 LB	GRAY		#18 FFEP SH FLRST
1369P 008500	500 FT	13.500 LB	GRAY		#18 FFEP SH FLRST
1369P 0091000	1,000 FT	35.000 LB	WHITE		#18 FFEP SH FLRST
1369P 009500	500 FT	13.500 LB	WHITE		#18 FFEP SH FLRST
1369P 0101000	1,000 FT	35.000 LB	BLACK		#18 FFEP SH FLRST
1369P 010500	500 FT	13.500 LB	BLACK		#18 FFEP SH FLRST

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