

Part Number: 1369P

Serial Digital Coax, RG6, #18 Solid BC, Foil + 85% TC Braid, CMP



Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	Commercial Video

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1

Conductor Count:	1
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Insulation

Material	Material Trade Name	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	Teflon®	0.168 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Duobond® II	100 %
Braid	2	TC - Tinned Copper		85 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.231 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	6.4 Ohm/1000ft		3.6 Ohm/1000ft	3.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Inductance

Nominal Inductance
0.103 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-3000 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.24 dB/100ft
3.58 MHz	0.45 dB/100ft
5 MHz	0.55 dB/100ft
7 MHz	0.65 dB/100ft
10 MHz	0.75 dB/100ft
67.5 MHz	1.74 dB/100ft
71.5 MHz	1.78 dB/100ft
88.5 MHz	1.94 dB/100ft
100 MHz	2.1 dB/100ft
135 MHz	2.4 dB/100ft
143 MHz	2.5 dB/100ft
180 MHz	2.8 dB/100ft
270 MHz	3.4 dB/100ft
360 MHz	4 dB/100ft
540 MHz	5.2 dB/100ft
720 MHz	6.1 dB/100ft
750 MHz	6.2 dB/100ft
1000 MHz	7.3 dB/100ft
1500 MHz	9.2 dB/100ft
2000 MHz	10.9 dB/100ft
2250 MHz	11.6 dB/100ft
3000 MHz	13.7 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83 %

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	33.5 lbs/1000ft
Max Recommended Pulling Tension:	64 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
RG Type:	6/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2011-11-22

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1369R
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Variants

Item #	Color	UPC	Length
1369P 0101000	Black	612825112907	1,000 ft
1369P 010500	Black	612825112914	500 ft
1369P 0061000	Blue, Light	612825112822	1,000 ft
1369P 006500	Blue, Light	612825112839	500 ft
1369P 0011000	Brown	612825112747	1,000 ft
1369P 001500	Brown	612825112754	500 ft
1369P 0081000	Gray	612825112860	1,000 ft
1369P 008500	Gray	612825112877	500 ft
1369P N3U1000	Green, Mil	612825112723	1,000 ft
1369P N3U500	Green, Mil	612825112730	500 ft
1369P 0031000	Orange	612825112785	1,000 ft
1369P 003500	Orange	612825112792	500 ft
1369P 0021000	Red	612825112761	1,000 ft
1369P 002500	Red	612825112778	500 ft
1369P 0071000	Violet	612825112846	1,000 ft
1369P 007500	Violet	612825112853	500 ft
1369P 0091000	White	612825112884	1,000 ft
1369P 009500	White	612825112891	500 ft
1369P 0041000	Yellow	612825112808	1,000 ft
1369P 004500	Yellow	612825112815	500 ft

Product Notes

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

Update and Revision:	Revision Number: 0.269 Revision Date: 08-22-2019
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