


Product: [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

Suitable Applications:	Commercial Video
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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
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.168 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duobond® II	100%
Braid	2	Tinned Copper (TC)		85%

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC - 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. Pull Tension:	64 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

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

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
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

MII Order #39 (China RoHS):	Yes
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

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

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: 0.293 Revision Date: 09-30-2020
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