



Product: [1369R](#)

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



Product Description

Video Cable , Riser-CMR, RG6, 18 AWG solid bare copper, foam polyethylene insulation, Duofoil®; 85% tinned copper braid, PVC 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	Nominal Diameter
PE - Polyethylene (Foam)	0.17 in

Table Notes:	Gas Injected
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Outer Shield

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	Nominal Diameter
PVC - Polyvinyl Chloride	0.235 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
16.6 pF/ft

Inductance

Nominal Inductance
0.106 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	0.44 dB/100ft
5 MHz	0.52 dB/100ft
6 MHz	0.57 dB/100ft
7 MHz	0.61 dB/100ft
10 MHz	0.71 dB/100ft
12 MHz	0.78 dB/100ft
25 MHz	1.08 dB/100ft
67.5 MHz	1.65 dB/100ft
71.5 MHz	1.69 dB/100ft
88.5 MHz	1.86 dB/100ft
100 MHz	1.95 dB/100ft
135 MHz	2.24 dB/100ft
143 MHz	2.3 dB/100ft
180 MHz	2.57 dB/100ft
270 MHz	3.17 dB/100ft
360 MHz	3.69 dB/100ft
540 MHz	4.6 dB/100ft
720 MHz	5.38 dB/100ft
750 MHz	5.5 dB/100ft
1000 MHz	6.42 dB/100ft
1500 MHz	7.99 dB/100ft
2000 MHz	9.37 dB/100ft
2250 MHz	10.01 dB/100ft
3000 MHz	11.78 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.21 ns/ft	84%

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-30°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	29 lbs/1000ft
Max. Pull Tension:	64 lbs
Min. Bend Radius/Minor Axis:	2.35 in

Standards

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

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes

EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1369P

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1369R 010500	Black	Reel	500 ft	612825113119
1369R 0101000	Black	Reel	1,000 ft	612825113102
1369R 006500	Blue, Light	Reel	500 ft	612825113034
1369R 0061000	Blue, Light	Reel	1,000 ft	612825113027
1369R 001500	Brown	Reel	500 ft	612825112952
1369R 0011000	Brown	Reel	1,000 ft	612825112945
1369R 008500	Gray	Reel	500 ft	612825113072
1369R 0081000	Gray	Reel	1,000 ft	612825113065
1369R N3U500	Green, Mil	Reel	500 ft	612825112938
1369R N3U1000	Green, Mil	Reel	1,000 ft	612825112921
1369R 003500	Orange	Reel	500 ft	612825112990
1369R 0031000	Orange	Reel	1,000 ft	612825112983
1369R 002500	Red	Reel	500 ft	612825112976
1369R 0021000	Red	Reel	1,000 ft	612825112969
1369R 007500	Violet	Reel	500 ft	612825113058
1369R 0071000	Violet	Reel	1,000 ft	612825113041
1369R 009500	White	Reel	500 ft	612825113096
1369R 0091000	White	Reel	1,000 ft	612825113089
1369R 004500	Yellow	Reel	500 ft	612825113010
1369R 0041000	Yellow	Reel	1,000 ft	612825113003

History

Update and Revision:	Revision Number: 0.373 Revision Date: 04-29-2024
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