

Product: [1370R](#) 

Serial Digital Coax, RG59, #20 Solid BC, Foil + 85% TC Braid, CMR



Product Description

Video Cable, Riser-CMR, RG59, 20 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
20	Solid	BC - Bare Copper	0.032 in	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.136 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	0.202 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
10.1 Ohm/1000ft	10.1 Ohm/1000ft		4.1 Ohm/1000ft	4.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.6 pF/ft

Inductance

Nominal Inductance
0.107 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	0.3 dB/100ft
3.6 MHz	0.6 dB/100ft
5 MHz	0.63 dB/100ft
6 MHz	0.69 dB/100ft
7 MHz	0.74 dB/100ft
10 MHz	0.9 dB/100ft
12 MHz	0.91 dB/100ft
25 MHz	1.3 dB/100ft
67.5 MHz	2.05 dB/100ft
71.5 MHz	2.1 dB/100ft
88.5 MHz	2.2 dB/100ft
100 MHz	2.3 dB/100ft
135 MHz	2.7 dB/100ft
143 MHz	2.8 dB/100ft
180 MHz	3.1 dB/100ft
270 MHz	3.8 dB/100ft
360 MHz	4.4 dB/100ft
540 MHz	5.5 dB/100ft
720 MHz	6.4 dB/100ft
750 MHz	6.5 dB/100ft
1000 MHz	7.6 dB/100ft
1500 MHz	9.3 dB/100ft
2000 MHz	10.9 dB/100ft
2250 MHz	11.6 dB/100ft
3000 MHz	13.4 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 Temp Range:	-30°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	22 lbs/1000ft
Max. Pull Tension:	57 lbs
Min. Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMR
RG Type:	59

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:	1370P

Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
1370R 010500	Black	Reel	500 ft	612825113515
1370R 0101000	Black	Reel	1,000 ft	612825113508
1370R 006500	Blue, Light	Reel	500 ft	612825113430
1370R 0061000	Blue, Light	Reel	1,000 ft	612825113423
1370R 001500	Brown	Reel	500 ft	612825113355
1370R 0011000	Brown	Reel	1,000 ft	612825113348
1370R 008500	Gray	Reel	500 ft	612825113478
1370R 0081000	Gray	Reel	1,000 ft	612825113461
1370R N3U500	Green, Mil	Reel	500 ft	612825113331
1370R N3U1000	Green, Mil	Reel	1,000 ft	612825113324
1370R 003500	Orange	Reel	500 ft	612825113393
1370R 0031000	Orange	Reel	1,000 ft	612825113386
1370R 002500	Red	Reel	500 ft	612825113379
1370R 0021000	Red	Reel	1,000 ft	612825113362
1370R 007500	Violet	Reel	500 ft	612825113454
1370R 0071000	Violet	Reel	1,000 ft	612825113447
1370R 009500	White	Reel	500 ft	612825113492
1370R 0091000	White	Reel	1,000 ft	612825113485
1370R 004500	Yellow	Reel	500 ft	612825113416
1370R 0041000	Yellow	Reel	1,000 ft	612825113409

History

Update and Revision:	Revision Number: 0.322 Revision Date: 12-15-2021
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<u>1370R 0021000</u>	<u>1370R 0071000</u>	<u>1370R 007500</u>	<u>1370R 002500</u>	<u>1370R 001500</u>	<u>1370R 006500</u>	<u>1370R 010500</u>
<u>1370R N3U1000</u>	<u>1370R 0081000</u>	<u>1370R 009500</u>	<u>1370R 0031000</u>	<u>1370R 003500</u>	<u>1370R 008500</u>	<u>1370R 0091000</u>
<u>1370R 0011000</u>	<u>1370R 004500</u>	<u>1370R 0101000</u>	<u>1370R 0061000</u>	<u>1370R 0041000</u>	<u>1370R N3U500</u>	