



Product: [1371R](#)

Serial Digital Coax, Sub-miniature, #23 Solid BC, Foil + 85% TC Braid, CMP



Product Description

Video Cable, Riser-CMR, sub-miniature RG59, 23 AWG solid bare copper, foam polyethylene insulation, Duofoil®; 85% tinned copper braid, PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
23	Solid	BC - Bare Copper	0.023 in	1

Conductor Count: 1

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.102 in

Table Notes: Gas Injected

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	0.16 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
20.1 Ohm/1000ft	20.1 Ohm/1000ft	4.6 Ohm/1000ft	4.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Inductance

Nominal Inductance
0.106 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
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5-3000 MHz	15 dB
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High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.39 dB/100ft
3.58 MHz	0.78 dB/100ft
5 MHz	0.92 dB/100ft
6 MHz	1 dB/100ft
7 MHz	1.08 dB/100ft
10 MHz	1.2 dB/100ft
12 MHz	1.3 dB/100ft
25 MHz	1.8 dB/100ft
67.5 MHz	2.83 dB/100ft
71.5 MHz	3.06 dB/100ft
88.5 MHz	3.16 dB/100ft
100 MHz	3.33 dB/100ft
135 MHz	3.81 dB/100ft
143 MHz	3.92 dB/100ft
180 MHz	4.38 dB/100ft
270 MHz	5.4 dB/100ft
360 MHz	6.2 dB/100ft
540 MHz	7.7 dB/100ft
720 MHz	9.47 dB/100ft
750 MHz	9.59 dB/100ft
1000 MHz	10.5 dB/100ft
1500 MHz	13 dB/100ft
2000 MHz	15.1 dB/100ft
2250 MHz	16 dB/100ft
3000 MHz	18.5 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82%

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:	15.5 lbs/1000ft
Max. Pull Tension:	36 lbs
Min. Bend Radius/Minor Axis:	1.5 in

Standards

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

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1371P

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1371R 010500	Black	Reel	500 ft	612825113911
1371R 0101000	Black	Reel	1,000 ft	612825113904
1371R 006500	Blue, Light	Reel	500 ft	612825113836
1371R 0061000	Blue, Light	Reel	1,000 ft	612825113829
1371R 001500	Brown	Reel	500 ft	612825113751
1371R 0011000	Brown	Reel	1,000 ft	612825113744
1371R 008500	Gray	Reel	500 ft	612825113874
1371R 0081000	Gray	Reel	1,000 ft	612825113867
1371R N3U500	Green, Mil	Reel	500 ft	612825113737
1371R N3U1000	Green, Mil	Reel	1,000 ft	612825113720
1371R 003500	Orange	Reel	500 ft	612825113799
1371R 0031000	Orange	Reel	1,000 ft	612825113782
1371R 002500	Red	Reel	500 ft	612825113775
1371R 0021000	Red	Reel	1,000 ft	612825113768
1371R 007500	Violet	Reel	500 ft	612825113850
1371R 0071000	Violet	Reel	1,000 ft	612825113843
1371R 009500	White	Reel	500 ft	612825113898
1371R 0091000	White	Reel	1,000 ft	612825113881
1371R 004500	Yellow	Reel	500 ft	612825113812
1371R 0041000	Yellow	Reel	1,000 ft	612825113805

History

Update and Revision:	Revision Number: 0.367 Revision Date: 04-29-2024
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