


Product: [1371P](#) 



Serial Digital Coax, Miniature, 23 AWG Solid BC, Bonded Foil + 85% TC Braid, CMP

Product Description

Video Cable, miniature RG59 Type, 23 AWG solid bare copper, foam FEP insulation, Bonded Duofoil®+85% tinned copper braid, CMP 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
23	Solid	BC - Bare Copper	0.023 in	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.102 in

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	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.16 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
20.1 Ohm/1000ft	4.6 Ohm/1000ft	4.6 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	0.38 dB/100ft
3.6 MHz	0.76 dB/100ft
10 MHz	1.3 dB/100ft
71.5 MHz	3.1 dB/100ft
135 MHz	4.1 dB/100ft
270 MHz	5.8 dB/100ft
360 MHz	6.9 dB/100ft
540 MHz	8.7 dB/100ft
720 MHz	10.3 dB/100ft
750 MHz	10.5 dB/100ft
1000 MHz	12.4 dB/100ft
1500 MHz	15.7 dB/100ft
2250 MHz	19.9 dB/100ft
3000 MHz	23.8 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.27 ns/ft	80%

High Frequency

Min. RL (Return Loss) [dB]
15 dB

Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	Return Loss: Fixed bridge and termination
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Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	19 lbs/1000ft
Max. Pull Tension:	29 lbs
Min. Bend Radius/Minor Axis:	1.6 in

Standards

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

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 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)
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No