



Product: [1370P](#)

Serial Digital Coax, RG59 Type, 20 AWG Solid BC, Foil + 85% TC Braid, CMP



Product Description

Video Cable, RG-59 Type 20 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
20	Solid	BC - Bare Copper	0.032 in	1

Conductor Count:	1
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Insulation

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.133 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®	0.192 in

Electrical Characteristics

Conductor DCR

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

Capacitance

Nom. Capacitance Conductor to Shield
16.1 pF/ft

Inductance

Nominal Inductance
0.097 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	0.29 dB/100ft
3.58 MHz	0.62 dB/100ft
5 MHz	0.7 dB/100ft
7 MHz	0.82 dB/100ft
10 MHz	1.05 dB/100ft
67.5 MHz	2.2 dB/100ft
71.5 MHz	2.25 dB/100ft
100 MHz	2.7 dB/100ft
135 MHz	3.2 dB/100ft
143 MHz	3.25 dB/100ft
180 MHz	3.65 dB/100ft
270 MHz	4.55 dB/100ft
360 MHz	5.25 dB/100ft
540 MHz	6.4 dB/100ft
720 MHz	7.3 dB/100ft
750 MHz	7.5 dB/100ft
1000 MHz	9.4 dB/100ft
1500 MHz	12.8 dB/100ft
2250 MHz	17.5 dB/100ft
3000 MHz	21.9 dB/100ft

Delay

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

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

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	24 lbs/1000ft
Max. Pull Tension:	37 lbs
Min. Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	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 Compliance:	EU Directive 2003/11/EC (BFR)
MII Order #39 (China RoHS):	Yes