

Part Number: 88232

Video Triax, RG59, #20 Solid, CMP



Product Description

20 AWG solid .032" bare copper conductor, plenum, foam FEP insulation, bare copper braid shields (95% coverage), FEP jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor/Outdoor
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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
AWG Size:	20

Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.14 in

Inner Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Inner Jacket Material

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.188 in

Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Outer Jacket Material

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.245 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR
10 Ohm/1000ft	10 Ohm/1000ft	2.6 Ohm/1000ft	2.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.9 pF/ft

Inductance

Nominal Inductance
0.097 μ H/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5-850 MHz	21 dB
850-3000 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 dB/100ft
3.6 MHz	0.6 dB/100ft
10 MHz	0.8 dB/100ft
71.5 MHz	2.2 dB/100ft
135 MHz	3.1 dB/100ft
270 MHz	4.5 dB/100ft
360 MHz	5.3 dB/100ft
540 MHz	6.6 dB/100ft
720 MHz	7.7 dB/100ft
750 MHz	7.9 dB/100ft
1000 MHz	9.4 dB/100ft
1500 MHz	12.1 dB/100ft
2250 MHz	15.6 dB/100ft
3000 MHz	18.7 dB/100ft

Delay

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
UL Temp Rating:	200°C
Operating Temp Range:	-40°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	58 lbs/1000ft
Max Recommended Pulling Tension:	140 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
RG Type:	RG-59/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	8232A
Footnote:	C - CRATE REEL PUT-UP.

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