



Product: [9267](#) 

Video Triax, RG59, #20 Solid, CSPE Jacket

Product Description

20 AWG solid .032" bare copper conductor, gas-injected foam high density polyethylene insulation, paper tape separator, bare copper braid shields (95% and 80% coverage), CSPE - Chlorosulphonated Polyethylene jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	1
Conductor Count:				1
Insulation				
Material		Nominal Diameter		
PE - Polyethylene (Foam)		0.145 in		
Table Notes:				Gas Injected
Inner Shield				
Type	Material	Coverage [%]		
Braid	Bare Copper (BC)	95%		
Inner Jacket				
Material		Nominal Diameter		
PE - Polyethylene		0.216 in		
Outer Shield				
Type	Material	Coverage [%]		
Braid	Bare Copper (BC)	80%		
Outer Jacket				
Material		Nominal Diameter	Separator Material	
CSPE - Chlorosulphonated Polyethylene		0.36 in	Paper Tape	

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR
10.1 Ohm/1000ft	10.1 Ohm/1000ft		2.5 Ohm/1000ft	2.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Inductance

Nominal Inductance
0.097 μH/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	0.3 dB/100ft
3.6 MHz	0.6 dB/100ft
10 MHz	0.9 dB/100ft
71.5 MHz	2.1 dB/100ft
135 MHz	2.9 dB/100ft
270 MHz	4.2 dB/100ft
360 MHz	4.8 dB/100ft
540 MHz	6 dB/100ft
720 MHz	6.7 dB/100ft
750 MHz	6.9 dB/100ft
1000 MHz	8.3 dB/100ft
1500 MHz	10.5 dB/100ft
2250 MHz	13.4 dB/100ft
3000 MHz	15.9 dB/100ft

Delay

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

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	72 lbs/1000ft
Max. Pull Tension:	124 lbs
Min. Bend Radius/Minor Axis:	3.5 in

Standards

CPR Euroclass:	Eca
RG Type:	59

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	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:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	Yes

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
IEC Flammability:	IEC 60332-1-2

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
9267 010500	Black	Reel	500 ft	612825226291
9267 0101000	Black	Reel	1,000 ft	612825434177
9267 0102000	Black	Reel	2,000 ft	612825358756

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.294 Revision Date: 09-10-2021
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