



**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
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#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.145 in

Table Notes:	Gas Injected
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#### Inner Shield Material

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

#### Inner Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.216 in

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	80%

#### Outer Jacket Material

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 $\mu$ 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 | 0.3 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/U Type

## Applicable Environmental and Other Programs

Environmental Space: Indoor/Outdoor

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): 2004-01-01

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	Putup 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: 0.232 Revision Date: 04-28-2020
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