



**Part Number:** 8232

Video Triax, RG59, #20 Solid

## Product Description

20 AWG solid .032" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shields (95% and 80% coverage), polyethylene jacket.

## Product Specifications

### AG.Filter Attributes

Total Number of Conductors:	1
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## Technical Specifications

### APAC Standard

MII Order #39 (China RoHS):	Yes
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### Applicable Patents

Patent:	<a href="http://www.belden.com/p">http://www.belden.com/p</a>
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### Bend Radius

Min Bend Radius/Minor Axis:	3.25 in
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### CCB-Sub-Part Number

Plenum (Y/N):	No
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Plenum Number:	88232
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### Contact Information

PHONE_NUM:	1-800-Belden1
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## EU Directive

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

## General Electrical Parameters

Sweep Testing:	100% sweep tested 5 MHz to 3 GHz.
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## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
RG Type:	59/U

## Use

Suitability - Aerial:	Yes - when supported by a messenger wire
Suitability - Burial:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	125 lbs
Suitability - Indoor:	Yes

## Impedance:

### Nominal Characteristic Impedance

75 Ohm
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## Inductance:

### Nominal Inductance

0.097 $\mu$ H/ft
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## Conductor DCR:

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
10 Ohm/1000ft	2.5 Ohm/1000ft	2.8 Ohm/1000ft

## Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83 %

## Voltage:

**Non-UJ Voltage Rating**

300V RMS

**High Freq:**

Frequency [MHz]	Min. SRL (Structural Return Loss)
1 MHz	21 dB
3.6 MHz	15 dB
10 MHz	
71.5 MHz	
135 MHz	
270 MHz	
360 MHz	
540 MHz	
720 MHz	
750 MHz	
1000 MHz	
1500 MHz	
2250 MHz	
3000 MHz	
5 MHz	
850 MHz	
851 MHz	
3000 MHz	

**Innershield:**

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

**Capacitance:**

Nom. Capacitance Conductor to Shield
16.2 pF/ft

**High Frequency (Nominal/Typical):**

Nom. Insertion Loss
0.3 dB/100ft
0.6 dB/100ft
0.9 dB/100ft
2.1 dB/100ft
3 dB/100ft
4.2 dB/100ft
4.8 dB/100ft
5.9 dB/100ft
7 dB/100ft
7.1 dB/100ft
8.3 dB/100ft
10.5 dB/100ft
13.4 dB/100ft
15.9 dB/100ft

**Innerjacket:**

Material	Nominal Diameter
PE - Polyethylene	0.225 in

**Insulation:**

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.145 in

**Outerjacket 1:**

Material	Nominal Diameter
PE - Polyethylene	0.315 in

**Conductor:**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	1

**Other Electrical Information:**

Sweep Testing	100% sweep tested 5 MHz to 3 GHz.
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## Outershield 1:

Type	Material	Coverage [%]
Braid	BC - Bare Copper	80 %

## Product Variants

Part Number	Color	Put-Up Type	Length
8232	BLACK	Reel	1000 ft
8232	BLACK	Reel	305 m
8232 0101000	BLACK	Reel	1000 ft
8232	BLACK	Reel	2000 ft
8232	BLACK	Reel	610 m
8232 0102000	BLACK	Reel	2000 ft
8232	BLACK	Reel	500 ft
8232	BLACK	Reel	152 m
8232 010500	BLACK	Reel	500 ft
8232			
8232			
8232			

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