



**Part Number:** 8232A

Video Triax, RG59, #20 Solid, CMR/CMG

## Product Description

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

## Product Specifications

### AG.Filter Attributes

Total Number of Conductors:	1
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## Technical Specifications

### AG\_0401

UL Flammability:	UL1666 Vertical Shaft
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### 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
Plenum Number:	88232

## 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 4.5 GHz.
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## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
NEC/(UL) Specification:	CMR
RG Type:	59/U

## Use

Suitability - Aerial:	Yes - When supported by a messenger wire
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:**

UL Voltage Rating
300V RMS V

**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	
850 MHz	
4500 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**

PVC - Polyvinyl Chloride

0.225 in

**Insulation:****Material** **Nominal Diameter**

Gasinjected FHDPE - Foam High Density Polyethylene

0.145 in

**Outerjacket 1:****Material** **Nominal Diameter**

PVC - Polyvinyl Chloride

0.315 in

**Conductor:****AWG** **Stranding** **Material** **Nominal Diameter** **No. of Coax**

20	Solid	BC - Bare Copper	0.032 in	1
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### Other Electrical Information:

Sweep Testing	100% sweep tested 5 MHz to 4.5 GHz.
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### Outershield 1:

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

## Product Variants

Part Number	Color	Put-Up Type	Length
8232A	BLACK	Reel	1000 ft
8232A	BLACK	Reel	305 m
8232A 0101000	BLACK	Reel	1000 ft
8232A			

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