



Product: [1426A](#)

Analog Video, RG59, #20 Solid BC, 95% BC Braid, PVC Jacket, CM



Product Description

20 AWG Solid .032" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shield (95% coverage), PVC 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

Outer Shield		
Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

Outer Jacket	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.242 in

Electrical Characteristics

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

High Frequency (Nominal/Typical)	
Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft

5 MHz	0.65 dB/100ft
10 MHz	0.9 dB/100ft
50 MHz	1.9 dB/100ft
100 MHz	2.6 dB/100ft
200 MHz	3.6 dB/100ft
400 MHz	5 dB/100ft
700 MHz	7 dB/100ft
900 MHz	8 dB/100ft
1000 MHz	8.5 dB/100ft

#### Delay

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

#### Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	30 V RMS
	300 V RMS (CM)

Electrical Characteristics Notes:	30 V RMS (UL AWM Style 1354); 300 V RMS (CM)
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### Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temperature Range:	-30°C To +75°C

### Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Max. Pull Tension:	68 lbs
Min. Bend Radius/Minor Axis:	2.5 in

### Standards

NEC/(UL) Compliance:	CM
UL AWM Style Compliance:	AWM 1354
CPR Euroclass:	Eca
RG Type:	59
Series Type:	59

### Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	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 - Indoor:	Yes
Suitability - Outdoor:	Yes

### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	30 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC/EAN
1426A.00152	Black	Reel	152 m	8719605001078
1426A.00U305	Black	UnReel	305 m	8719605001092
1426A.00500	Black	Reel	500 m	8719605001085
1426A 010U1000	Black	UnReel	1,000 ft	612825357902

History

Update and Revision:	Revision Number: 0.404 Revision Date: 12-19-2022
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