

**Part Number:** 8212

Analog Video, RG59, #20 Solid BCCS, 95% BC Braid, PE Jacket

## Product Description

20 AWG solid .032" bare copper-covered steel conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), polyethylene jacket.

## Technical Specifications

### Construction and Dimensions

#### Conductor:

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

<b>Total Number of Conductors:</b>	1
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#### Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.143 in

#### Outershield 1:

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

#### Outerjacket 1:

Material	Nominal Diameter
PE - Polyethylene	0.242 in

### Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
44.5 Ohm/1000ft	2.6 Ohm/1000ft

#### Capacitance:

**Nom. Capacitance Conductor to Shield**

17.3 pF/ft

**Impedance:****Nominal Characteristic Impedance**

75 Ohm

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

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.6 dB/100ft
10 MHz	1 dB/100ft
50 MHz	2.1 dB/100ft
100 MHz	3 dB/100ft
200 MHz	4.5 dB/100ft
400 MHz	6.6 dB/100ft
700 MHz	8.9 dB/100ft
900 MHz	10.1 dB/100ft
1000 MHz	10.9 dB/100ft

**Delay:****Nominal Delay****Nominal Velocity of Propagation (VP) [%]**

1.3 ns/ft

78 %

**High Freq:****Min. SRL (Structural Return Loss)**

23 dB

**Inductance:****Nominal Inductance**0.097  $\mu$ H/ft**Voltage:****Non-UL Voltage Rating**

300V RMS

**Use**

<b>Suitability - Aerial:</b>	Yes - When supported by a messenger wire.
<b>Suitability - Burial:</b>	Yes
<b>Suitability - Outdoor:</b>	Yes
<b>Max Recommended Pulling Tension:</b>	107 lbs

## Temperature Range

Non-UL Temp Rating:	80°C °C
Operating Temp Range:	-55°C To +80°C °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	59/U
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

## Product Variants

Part Number	Color	Put-Up Type	Length
8212	BLACK	Reel	1000 ft
8212	BLACK	Reel	305 m
8212 0101000	BLACK	Reel	1000 ft
8212	BLACK	Reel	500 ft
8212	BLACK	Reel	152 m
8212 010500	BLACK	Reel	500 ft
8212	BLACK	UnReel	1000 ft
8212	BLACK	UnReel	305 m
8212 010U1000	BLACK	UnReel	1000 ft
8212	BLACK	UnReel	500 ft
8212 010U500	BLACK	UnReel	500 ft
8212			

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