

Part Number: 8221

Analog Video, RG59, #22 Solid BCCS, 85% BC Braid, PVC Jacket

Product Description

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

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	Solid	BCCS - Bare Copper Covered Steel	0.025 in	1

Total Number of Conductors:	1
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Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.146 in

Outershield 1:

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

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.242 in

Electrical Characteristics

Conductor DCR:

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

Capacitance:

Nom. Capacitance Conductor to Shield

16.3 pF/ft

Impedance:**Nominal Characteristic Impedance**

80 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.44 dB/100ft
10 MHz	0.9 dB/100ft
50 MHz	2 dB/100ft
100 MHz	2.9 dB/100ft
200 MHz	4.1 dB/100ft
400 MHz	5.9 dB/100ft
700 MHz	7.8 dB/100ft
900 MHz	8.8 dB/100ft
1000 MHz	9.9 dB/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

Inductance:**Nominal Inductance**0.104 μ H/ft**Voltage:****Non-UL Voltage Rating**

300V RMS

Use

Suitability - Aerial:	Yes - When supported by a messenger wire.
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	88 lbs

Temperature Range

Non-UL Temp Rating:	75°C °C
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Operating Temp Range:	-40°C To +75°C °C
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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
8221	BLACK	Reel	1000 ft
8221	BLACK	Reel	305 m
8221 0101000	BLACK	Reel	1000 ft
8221	BLACK	Reel	500 ft
8221	BLACK	Reel	152 m
8221 010500	BLACK	Reel	500 ft
8221	BLACK	UnReel	1000 ft
8221 010U1000	BLACK	UnReel	1000 ft
8221	BLACK	UnReel	500 ft
8221 010U500	BLACK	UnReel	500 ft
8221			

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