

Part Number: 8215

Analog Video, RG6 #21 Solid BCCS, Double 95% BC Braids, PE Jacket



Product Description

21 AWG solid .028" bare copper-covered steel conductor, polyethylene insulation, double bare copper braid shields (95% coverage), polyethylene jacket.

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
21	Solid	BCCS - Bare Copper Covered Steel	0.028 in	1
Total Number of Conductors:				1

Insulation:

Material	Nominal Diameter
PE - Polyethylene	0.185 in

Outershield 1:

Type	Layer	Material	Coverage [%]
Braid	1	BC - Bare Copper	95 %
Braid	2	BC - Bare Copper	95 %

Outerjacket 1:

Material	Nominal Diameter
PE - Polyethylene	0.332 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
32 Ohm/1000ft	1.1 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield	
20.5 pF/ft	
Sweep Testing:	100% Sweep tested 5 MHz to 450 MHz.

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 dB/100ft
10 MHz	0.8 dB/100ft
50 MHz	1.9 dB/100ft
100 MHz	2.7 dB/100ft
200 MHz	4.1 dB/100ft
400 MHz	5.9 dB/100ft
700 MHz	8.1 dB/100ft
900 MHz	9.4 dB/100ft
1000 MHz	9.8 dB/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66 %

High Freq:

Min. RL (Return Loss) [dB]
23 dB

Inductance:

Nominal Inductance
0.115 μ H/ft

Voltage:

Non-UL Voltage Rating
2700V RMS

Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	180 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:	3.5 in
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	6A/U
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

Product Variants

Part Number	Color	Put-Up Type	Length
8215	BLACK	Reel	1000 ft
8215	BLACK	Reel	305 m
8215 0101000	BLACK	Reel	1000 ft
8215			

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