



**Product:** [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**

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
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Insulation

Material	Nominal Diameter
PE - Polyethylene	0.185 in

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.332 in

Electrical Characteristics

Conductor DCR

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

Capacitance

Nom. Capacitance Conductor to Shield
20.5 pF/ft

Inductance

Nominal Inductance
0.115 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-450 MHz	23 dB

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

Frequency [MHz]	Max. Insertion Loss (Attenuation)
400 MHz	7.2 dB/100ft

Voltage

Non-UL Voltage Rating
2700 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	69 lbs/1000ft
Max Recommended Pulling Tension:	180 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

RG Type:	6A/U Type
Series Type:	Series 6

Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Direct Burial
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8215 0101000	Black	Reel	1,000 ft	612825196259

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.237 Revision Date: 04-28-2020
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