



**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**

**Product Overview**

Environmental Space:	Outdoor - Direct Burial
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**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
Conductor Size:	21 AWG

**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
10 MHz	
50 MHz	
100 MHz	
200 MHz	
400 MHz	
700 MHz	
900 MHz	
1000 MHz	

#### 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

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

## Suitability

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

## Part Number

### Variants

Item #	Color	Footnote
8215 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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