



**Product:** [8213](#) 

Analog Video, RG11, #14 Solid BC, 95% BC Braid, PE Jacket

## Product Description

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shield (95% coverage), polyethylene jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.064 in	1

Conductor Count: 1

#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.285 in

Table Notes: Gas Injected

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

#### Outer Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.405 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
2.6 Ohm/1000ft	2.6 Ohm/1000ft	1.1 Ohm/1000ft	1.1 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.1 pF/ft

#### Inductance

Nominal Inductance
0.097 $\mu$ H/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

#### Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5-450 MHz	23 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss	Nom. Structural Return Loss (SRL)
1 MHz	0.2 dB/100ft	23 dB
450 MHz	0.4 dB/100ft	
5 MHz	0.9 dB/100ft	
100 MHz	1.3 dB/100ft	
200 MHz	1.9 dB/100ft	
400 MHz	2.9 dB/100ft	
700 MHz	4.1 dB/100ft	
900 MHz	4.8 dB/100ft	
1000 MHz	5.2 dB/100ft	

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.21 ns/ft	84%

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
400 MHz	4.4 dB/100ft

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	78 lbs/1000ft
Max. Pull Tension:	171 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

RG Type:	11/U Type
Series Type:	11

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
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:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

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**Variants**

Item #	Color	Putup Type	Length	UPC
8213 010500	Black	Reel	500 ft	612825196211
8213 0101000	Black	Reel	1,000 ft	612825357599
8213 0102000	Black	Reel	2,000 ft	612825355557

Footnote:	C - CRATE REEL PUT-UP.
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**History**

Update and Revision:	Revision Number: 0.288 Revision Date: 09-30-2020
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