



### Description:

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shield (97% coverage), polyethylene jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BC - Bare Copper	.064

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.285

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	97

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

#### Overall Cabling

Overall Nominal Diameter: 0.405 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -55°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 87 lbs/1000 ft.

Max. Recommended Pulling Tension: 171 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

RG Type: 11/U

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/ft)

.097

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.1

#### Nominal Velocity of Propagation:

VP (%)

84

#### Nominal Delay:

Delay (ns/ft)

1.21

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.6

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.1

#### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	.2
10	.4
50	.9
100	1.3
200	1.9
400	2.9
700	4.1
900	4.8
1000	5.2

#### Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

#### Typical Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Typical SRL (dB)
		5	450	23

## Notes (Overall)

Notes: 100% sweep tested. 5 MHz to 450 MHz.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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8213 0101000	1,000 FT	87.000 LB	BLACK	C	RG-11/U TYPE COAX
8213 0102000	2,000 FT	172.000 LB	BLACK	C	RG-11/U TYPE COAX
8213 010500	500 FT	44.000 LB	BLACK	C	RG-11/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

# Standard Analog Video Cable

RG-6/U and RG-11/U Types



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**RG-6/U • 18 AWG** Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)

<b>Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket</b>																			
80°C	<b>8238</b>	NEC: CM	500	152.4	59.0	26.8	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	67%	20.5	67.2	1	.2	.6
		CEC: CM	1000	304.8	117.0	53.1	.048"			Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

Suitable for Indoor and Outdoor applications.

**Polyethylene Insulation • Black PVC Jacket**

60°C	<b>8261</b>	CEC:	500	152.4	52.5	23.9	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	66%	20.5	67.2	1	.2	.6
VW-1		CXC	1000	304.8	104.0	47.3	.048"			Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

Suitable for Indoor and Outdoor applications.

**Composite • Coax: 18 AWG** Solid BC Cond. w/BC Braid Shield (95% Coverage) • **Power: 18 AWG** Stranded (7x26) BC Conductor UTP

<b>Foam Polyethylene Insulation (Coax) • Polypropylene Insulation (Pair) • Black Low-Smoke, Zero-Halogen Jacket</b>																			
Siamese	<b>1306SB</b>	NEC:	500	152.4	37.0	16.8	18 AWG (solid)	.180	4.57	Coax: 95% BC	.275	6.99	75	83%	16.3	53.5	1	.2	.7
300V RMS	<b>new</b>	CMG-LS	1000	304.8	76.0	34.5	.040"			Braid	.514	13.06					10	.6	2.1
		CEC: CMG-LS					Pair: BC			3.1Ω/M'							50	1.5	4.8
		FT4 Limited Smoke					6.4Ω/M'	.059	1.59	10.2Ω/km							100	2.1	6.9
							21.0Ω/km										200	3.0	9.8
																	400	4.3	14.1
																	700	5.8	19.0
																	900	6.7	22.0
																	1000	7.1	23.3

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																			
80°C	<b>9292</b>	—	1000	304.8	75.0	34.0	14 AWG (solid)	.280	7.11	Duofoil + 60% TC	.405	10.29	75	84%	16.1	52.8	1	.2	.6
							.064"			Braid							10	.5	1.6
							BC			3.0Ω/M'							50	.9	3.0
							2.6Ω/M'			9.8Ω/km							100	1.3	4.3
							8.5Ω/km										200	1.6	5.3
																	400	2.3	7.6
																	700	3.3	10.8
																	900	4.0	13.1
																	1000	4.3	14.1

Suitable for Indoor and Outdoor applications.

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (63% Coverage)

<b>Plenum • Foam FEP Insulation • Black FEP Jacket</b>																			
200°C	<b>89292</b>	NEC:	500	152.4	40.5	18.4	14 AWG (solid)	.274	6.96	Duofoil + 63% TC	.346	8.79	75	83%	16.2	53.1	1	.2	.5
		CMP	1000	304.8	81.0	36.7	.064"			Braid							10	.4	1.3
		CATVP					BC			3.0Ω/M'							50	1.0	3.3
		CEC: CMP FT6					2.5Ω/M'			9.8Ω/km							100	1.5	4.9
							8.2Ω/km										200	2.2	7.2
																	400	3.3	10.8
																	700	4.5	14.8
																	900	5.2	17.1
																	1000	5.5	18.0

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

<b>Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>8213</b>	—	500	152.4	44.0	20.0	14 AWG (solid)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	84%	16.1	52.8	1	.2	.6
			1000	304.8	87.0	39.5	.064"			Coverage							10	.4	1.1
			2000	609.6	172.0	78.2	BC			1.1Ω/M'							50	.9	3.0
							2.6Ω/M'			3.6Ω/km							100	1.3	4.3
							8.5Ω/km										200	1.9	6.2
																	400	2.9	9.5
																	700	4.1	13.5
																	900	4.8	15.7
																	1000	5.2	17.1

Suitable for Indoor and Outdoor applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

