



**Product:** <u>8233</u> ☑

Video Triax, RG11, #14 Solid

# **Product Description**

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper double shields (95% and 80% coverage), polyethylene jacket.

## **Technical Specifications**

## **Physical Characteristics (Overall)**

# Conductor Nominal Diameter No. of Coax BC - Bare Copper 0.064 in Solid 1 Conductor Count: Insulation PE - Polyethylene (Foam) 0.285 in Gas Injected Inner Shield Material Coverage [%] Braid Bare Copper (BC) 95% Inner Jacket Material Material Nominal Diameter PE - Polyethylene 0.365 in

#### **Outer Shield Material**

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	80%

#### **Outer Jacket Material**

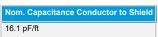
Material	Nominal Diameter
PE - Polyethylene	0.475 in

## **Electrical Characteristics**

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR
2.6 Ohm/1000ft	2.6 Ohm/1000ft	1.7 Ohm/1000ft	1.5 Ohm/1000ft

#### Capacitance



# Inductance

Nominal Inductance 0.097 µH/ft

## Impedance

Nominal Characteristic Impedance
75 Ohm

# Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-850 MHz	21 dB
850-4500 MHz	15 dB

## High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.14 dB/100ft
3.6 MHz	0.3 dB/100ft
10 MHz	0.4 dB/100ft
71.5 MHz	1.1 dB/100ft
135 MHz	1.6 dB/100ft
270 MHz	2.3 dB/100ft
360 MHz	2.6 dB/100ft
540 MHz	3.3 dB/100ft
720 MHz	3.8 dB/100ft
750 MHz	4 dB/100ft
1000 MHz	4.6 dB/100ft
1500 MHz	5.9 dB/100ft
2250 MHz	7.4 dB/100ft
3000 MHz	9 dB/100ft
4500 MHz	12.5 dB/100ft

## Delay



## 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:	112 lbs/1000ft
Max. Pull Tension:	170 lbs
Min Bend Radius/Minor Axis:	5 in

# **Standards**

RG Type:	11/U Type

# **Applicable Environmental and Other Programs**

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	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 - Aerial:	Yes - When supported by messenger wire

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

#### Plenum/Non-Plenum

Plenum (Y/N):	No	
Plenum Number:	8233P	

#### **Part Number**

#### Variants

	Item #	Color	Putup Type	Length	UPC
	8233 010500	Black	Reel	500 ft	612825358053
	8233 0101000	Black	Reel	1,000 ft	612825355656
	8233 0102000	Black	Reel	2,000 ft	612825434153
	8233 0104000	Black	Reel	4,000 ft	612825355700

Footnote: C - CRATE REEL PUT-UP.

#### History

Update and Revision:	Revision Number: 0.245 Revision Date: 08-25-2020				

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