



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)

Condu	Physical Characteristics (Overall) Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coa	
14	Solid	BC - Bare Copper	0.064 in	1	
Condu	uctor Count:			1	
Insulat	ion				
	Material	Nominal D	Diameter		
PE - Polyethylene (Foam) 0.285 in					
Table	Notes:			Ga	
Inner Shield					
T. mar	Materia	al Coverage	1%1		
Type	Water	ai Coverage	701		

Inner Jacket

Material	Nominal Diameter
PE - Polyethylene	0.365 in

Outer Shield

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

Outer Jacket

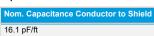
Material	Nominal Diameter
PE - Polyethylene	0.475 in

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

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

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

Voltage

Non-UL Voltage Rating 300 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temperature 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

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
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	

Related Part Numbers

Variants

Item #	Color	Put-Up 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: 0.337 Revision Date: 11-09-2022		

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