



Part Number: 8233

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.

Product Specifications

AG.Filter Attributes

Total Number of Conductors:	1
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Technical Specifications

APAC Standard

MII Order #39 (China RoHS):	Yes
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Applicable Patents

Patent:	http://www.belden.com/p
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Bend Radius

Min Bend Radius/Minor Axis:	5 in
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CCB-Sub-Part Number

Plenum (Y/N):	No
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Contact Information

PHONE_NUM:	1-800-Belden1
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EU Directive

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

General Electrical Parameters

Sweep Testing:	100% Sweep tested 5 MHz to 4.5 GHz.
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North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
RG Type:	11/U

Use

Suitability - Aerial:	Yes, when supported by a messenger wire
Suitability - Burial:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	170 lbs
Suitability - Indoor:	Yes

Impedance:

Nominal Characteristic Impedance
75 Ohm

Inductance:

Nominal Inductance
0.097 μ H/ft

Conductor DCR:

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

Delay:

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

Voltage:

Non-UL Voltage Rating
300V RMS

High Freq:

Frequency [MHz]	Min. RL (Return Loss) [dB]
1 MHz	21 dB
3.6 MHz	15 dB
10 MHz	
71.5 MHz	
135 MHz	
270 MHz	
360 MHz	
540 MHz	
720 MHz	
750 MHz	
1000 MHz	
1500 MHz	
2250 MHz	
3000 MHz	
4500 MHz	
5 MHz	
850 MHz	
850 MHz	
4500 MHz	

Innershield:

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Capacitance:

Nom. Capacitance Conductor to Shield
16.1 pF/ft

High Frequency (Nominal/Typical):

Nom. Insertion Loss

0.14 dB/100ft
0.3 dB/100ft
0.4 dB/100ft
1.1 dB/100ft
1.6 dB/100ft
2.3 dB/100ft
2.6 dB/100ft
3.3 dB/100ft
3.8 dB/100ft
4 dB/100ft
4.6 dB/100ft
5.9 dB/100ft
7.4 dB/100ft
9 dB/100ft
12.5 dB/100ft

Innerjacket:

Material	Nominal Diameter
PE - Polyethylene	0.365 in

Insulation:

Material	Nominal Diameter
Gas injected FHDPE - Foam High Density Polyethylene	0.285 in

Outerjacket 1:

Material	Nominal Diameter
PE - Polyethylene	0.475 in

Conductor:

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

Other Electrical Information:

Sweep Testing	100% Sweep tested 5 MHz to 4.5 GHz.
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Outershield 1:

Type	Material	Coverage [%]
Braid	BC - Bare Copper	80 %

Product Variants

Part Number	Color	Put-Up Type	Length
8233	BLACK	Reel	1000 ft
8233	BLACK	Reel	305 m
8233 0101000	BLACK	Reel	1000 ft
8233	BLACK	Reel	2000 ft
8233	BLACK	Reel	610 m
8233 0102000	BLACK	Reel	2000 ft
8233	BLACK	Reel	500 ft
8233	BLACK	Reel	152 m
8233 010500	BLACK	Reel	500 ft
8233	BLACK	Reel	305 m
8233			

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