



Product: [21523A](#)

Picture  
Not Available

CATV Video, RG11, 14 AWG BCCS, Foil + 60% Braid, Interlocking Armor, CM

Product Description

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (60% coverage), CATV or CM rated PVC jacket, aluminum interlocked armor.

Technical Specifications

Product Overview

Suitable Applications:	CATV, broadband
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.28 in

Table Notes:	Gas Injected
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Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.393 in

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duobond®	100%
Braid	2	Aluminum		60%

Table Notes:	Tape is bonded to dielectric
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Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.603 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
11 Ohm/1000ft	4.1 Ohm/1000ft	4.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5-1000 MHz	20 dB

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. SRL (Structural Return Loss)
5 MHz	0.38 dB/100ft	20 dB
55 MHz	0.97 dB/100ft	
211 MHz	1.90 dB/100ft	
250 MHz	2.05 dB/100ft	
270 MHz	2.13 dB/100ft	
300 MHz	2.25 dB/100ft	
330 MHz	2.35 dB/100ft	
350 MHz	2.42 dB/100ft	
400 MHz	2.60 dB/100ft	
450 MHz	2.75 dB/100ft	
500 MHz	2.90 dB/100ft	
550 MHz	3.04 dB/100ft	
600 MHz	3.18 dB/100ft	
750 MHz	3.65 dB/100ft	
870 MHz	4.06 dB/100ft	
1000 MHz	4.35 dB/100ft	

Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	300 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	126 lbs/1000ft
Max. Pull Tension:	260 lbs
Min Bend Radius (Overall):	7.25 in
Min Bend Radius (Each Coax):	4 in

Standards

NEC/(UL) Compliance:	CATV, CM
CEC/C(UL) Compliance:	CM
RG Type:	11
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 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)
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
21523A 0001000	None	Reel	1,000 ft	612825130475

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.279 Revision Date: 12-15-2021
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