



Part Number: 1523A

CATV Video, RG11, 14 AWG BCCS, Shielded, CM

Product Description

CATV Video, Series 11, 14 AWG solid bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II, aluminum braid shield (Foil + 60% Braid), CM, PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	CATV, Broadband

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
Conductor Size:	14 AWG

Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.28 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Duobond® (bonded to dielectric)	100 %
Braid	2	AL - Aluminum		60 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.393 in

Electrical Characteristics

Conductor DCR

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

Capacitance

Max. Capacitance Conductor to Shield	Nom. Capacitance Conductor to Shield
16.2 pF/ft	16.2 pF/ft

Shielding:	Multiple or Specialty
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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 Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.38 dB/100ft
55 MHz	0.96 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

Operating Temp Range:	-40°C To +80°C
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Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	56 lbs/1000ft
Max Recommended Pulling Tension:	260 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC/(UL) Specification:	CATV, CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca
RG Type:	11/U Type
Series Type:	Series 11
RG / Series Type:	Series 11

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1523AP

Part Number

Variants

Item #	Color	Footnote
1523A 0101000	Black	
1523A=0101000	Black	
1523A 0091000	White	C

Footnote:	C - CRATE REEL PUT-UP.
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