

Part Number: 1523AN

CATV Video, RG11, #14 BCCS, Foil + 60% Braid



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), PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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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
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	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		60 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.4 in

Electrical Characteristics

Conductor DCR

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

Capacitance

Nom. Capacitance Conductor to Shield	
16.2 pF/ft	
Shielding:	Multiple or Specialty

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) [%]
1.2 ns/ft	83 %

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.38 dB/100ft
55 MHz	0.97 dB/100ft
211 MHz	1.81 dB/100ft
270 MHz	2.05 dB/100ft
300 MHz	2.15 dB/100ft
350 MHz	2.32 dB/100ft
400 MHz	2.47 dB/100ft
450 MHz	2.65 dB/100ft
550 MHz	2.94 dB/100ft
750 MHz	3.5 dB/100ft
870 MHz	3.84 dB/100ft
1000 MHz	4.23 dB/100ft

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	59 lbs/1000ft
Max Recommended Pulling Tension:	260 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

CPR Euroclass:	Eca
Series Type:	Series 11
RG / Series Type:	Series 11

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color
1523AN 0101000	Black

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