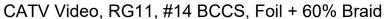


Product: <u>1523AN</u> ☑





## **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**

## **Physical Characteristics (Overall)**

#### 3

Conduc	Conductor			
AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BCCS - Bare Copper Covered Steel	0.064 in	1
Condu	ctor Count:		1	

#### Insulation

## Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Bonded Duofoil®	100 %
Braid	2	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
ľ	11 Ohm/1000ft	11 Ohm/1000ft	4.1 Ohm/1000ft	4.1 Ohm/1000ft

# Capacitance

Nom. Capacitance Conductor to Shield 16.2 pF/ft

#### Inductance

Nominal Inductance

# 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

# **Applicable Environmental and Other Programs**

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
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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
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Indoor: Yes	
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# Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2	

# Plenum/Non-Plenum

Plenum (Y/N):	No	

# **Part Number**

#### Variants

Item #	Color	Putup Type	Length	UPC
1523AN 0101000	Black	Reel	1,000 ft	612825117070

#### History

Update and Revision:	Revision Number: 0.267 Revision Date: 04-28-2020

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