



Product: [1524AM](#)



CATV Video, RG11, 14 AWG BCCS, Foil + Braid, Messenger, PVC Jacket

## Product Description

CATV, 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)

#### 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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#### Outer Shield

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

#### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	.400 x .580 in

### Construction and Dimensions

OuterJacket1, Messenger Diameter:	0.072 in
OuterJacket1, Messenger Material:	Galvanized Steel

### 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
16.2 pF/ft

#### Inductance

Nominal Inductance
0.097 $\mu$ H/ft

#### Impedance

Nominal Characteristic Impedance
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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 Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.38 dB/100ft
55 MHz	0.96 dB/100ft
211 MHz	1.9 dB/100ft
270 MHz	2.13 dB/100ft
300 MHz	2.25 dB/100ft
350 MHz	2.42 dB/100ft
400 MHz	2.60 dB/100ft
450 MHz	2.75 dB/100ft
550 MHz	3.04 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
300 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	78 lbs/1000ft
Max. Pull Tension:	220 lbs
Min. Bend Radius/Minor Axis:	4 in

#### Standards

RG Type:	11
Series Type:	11

#### Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Aerial
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/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)
EU CE Mark:	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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#### Related Part Numbers

## Variants

Item #	Color	Put-Up Type	Length	UPC
1524AM 0101000	Black	Reel	1,000 ft	612825117131

## History

Update and Revision:	Revision Number: 0.385 Revision Date: 11-09-2022
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