

## 1524AM Coax - CATV Cable

For more Information  
please call

1-800-Belden1

**General 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.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BCCS - Bare Copper Covered Steel	.064

Total Number of Conductors: 1

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.280

**Outer Shield**

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Messenger**

Messenger Diameter: 0.072 in.

Messenger Material: Galvanized Steel

**Overall Cable**

Overall Nominal Diameter: 0.400 x 0.580 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 78 lbs/1000 ft.

Max. Recommended Pulling Tension: 220 lbs.

Min. Bend Radius/Minor Axis: 4 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Series Type:	Series 11
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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.097
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.2
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**Nominal Velocity of Propagation:**

VP (%)
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83
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**Nominal Delay:**

Delay (ns/ft)
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1.2
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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11.0
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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4.1
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**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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5	0.38
55	0.97
211	1.81
270	2.05
300	2.15
350	2.32
400	2.47
450	2.65
550	2.94
750	3.50
870	3.84
1000	4.23

**Max. Operating Voltage - Non-UL:**

Voltage
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300 V RMS
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**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
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		5	1000	20
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**Notes (Overall)**

**Notes:** Sweep tested 5 MHz to 1 GHz.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1524AM 0101000	1,000 FT	88.000 LB	BLACK		#14 GIFHDLDPE SH PVC W/MSGR

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