

1524AM Coax - CATV Cable



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. (mm)
1	14	Solid	BCCS - Bare Copper Covered Steel	1.626

Insulation:

Insulation Material

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	7.112

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 .072

Messenger Material Galvanized Steel

Overall Cabling:

Overall Nominal Diameter: 10.160 x 10.160 mm

Mechanical Characteristics (Overall):

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

Non-UL Temperature Rating 80°C

Bulk Cable Weight: 104.174 Kg/Km

Max. Recommended Pulling Tension: 978.604 N

Min. Bend Radius (Install)/Minor Axis: 114.300 mm

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

EU CE Mark (Y/N) Yes

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

Series Type Series 11

Plenum/Non-Plenum:

Plenum (Y/N) Y

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
75.000

Nom. Inductance

Inductance (µH/m)
0.318

Nom. Capacitance Conductor to Shield

Capacitance (pF/m)
53.152

Nominal Velocity of Propagation

VP (%)
83

Nominal Delay

Delay (ns/m)
3.937

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/km)
36.091

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/km)
13.452

Max. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100m)
	5.000			1.247
	55.000			3.183
	211.000			5.939
	270.000			6.726
	300.000			7.054
	350.000			7.612
	400.000			8.104
	450.000			8.695
	550.000			9.646
	750.000			11.484
	870.000			12.599
	1000.000			13.879

Max. Operating Voltage - Non-UL

Voltage
300 V RMS

Minimum Structural Return Loss

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5.000	1000.000	20.000

Notes (Overall):

Notes Sweep tested 5 MHz to 1 GHz.

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1524AM 0101000	305 MT	40.824 KG	BLACK		#14 GIFHDLDPPE SH PVC W/MSGR BLK

Notes:

Revision Number: 1 Revision Date: 05-14-2007

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