


Product: [1620AM](#) 

CATV Video, RG11, 14 AWG BCCS, Quad Shield, Waterblocked, Messenger



Product Description

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (Foil + 60% Braid + Foil + 40% Braid), 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%
Tape	3	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	4	Aluminum		40%

Table Notes:	CoreGuard®
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Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.407 x 0.56 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	3 Ohm/1000ft	3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Inductance

Nominal Inductance

0.097 μ H/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 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 | 2.6 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

Operating Temp Range: -40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 80 lbs/1000ft

Max. Pull Tension: 220 lbs

Min. Bend Radius/Minor Axis: 4.5 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: No

MIL Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): N

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1620AM 0101000	Black	Reel	1,000 ft	612825119340

History

Update and Revision:	Revision Number: 0.383 Revision Date: 12-15-2021
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