

Part Number: 1619AM

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

Product Overview

Environmental Space:	Outdoor - Aerial
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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	
Conductor Size:			14 AWG	

Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.28 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		60 %
Tape	3	Aluminum/Polyester/Aluminum	Duofoil®	100 %
Braid	4	AL - Aluminum		40 %

Outer Jacket Material

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	
Shielding:	Multiple or Specialty

Inductance

Nominal Inductance

0.097 µH/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 Freq

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: 77 lbs/1000ft

Max Recommended Pulling Tension: 220 lbs

Min Bend Radius/Minor Axis: 4.5 in

Standards

RG Type: 11/U Type

Series Type: Series 11

RG / Series Type: Series 11

Applicable Environmental and Other Programs

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

EU Directive 2003/96/EC (BFR): Yes

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

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color
1619AM 0101000	Black

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