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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**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
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0.097  $\mu$ 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 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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