

## Part Number: 1618A

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



### 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), polyethylene jacket.

### Technical Specifications

#### Product Overview

Environmental Space:	Outdoor - Water Exposure
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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 %

Note:	CoreGuard®
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##### Outer Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.407 in

#### 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
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##### 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:	-55°C To +80°C
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**Mechanical Characteristics**

Bulk Cable Weight:	52 lbs/1000ft
Max Recommended Pulling Tension:	308 lbs
Min Bend Radius/Minor Axis:	4.25 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 - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No

## Part Number

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### Variants

Item #	Color
1618A 0101000	Black
1618A 0031000	Orange

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