

**Part Number: 1617R**

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



## 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:	Indoor - Riser
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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 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	Nominal Characteristic Tolerance

75 Ohm	± 3 Ohm
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#### 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	UL Voltage Rating
300 V RMS	300 V RMS

#### Temperature Range

UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

#### Mechanical Characteristics

Bulk Cable Weight:	59 lbs/1000ft
Max Recommended Pulling Tension:	308 lbs
Min Bend Radius/Minor Axis:	4.5 in

#### Standards

NEC/(UL) Specification:	CATVR, CMR
CEC/C(UL) Specification:	CMG
RG Type:	11/U Type
Series Type:	Series 11
RG / Series Type:	Series 11
Other Specification:	CEC/C(UL): CMG

#### 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):	2012-08-10
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Riser
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Footnote
1617R 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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