
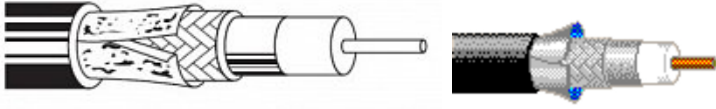


Product: [1613A](#) 

CATV Video, RG6, 18 AWG BCCS, Tri Shield, CM PVC Jacket



Product Description

CATV, Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® III, aluminum braid shield (77% coverage), CM PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Environmental Space:	Indoor/Outdoor

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BCCS - Bare Copper Covered Steel	0.04 in	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.18 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		77 %
Tape	3	Aluminum/Polyester/Aluminum	Duofoil®	100 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.275 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
28 Ohm/1000ft	5.6 Ohm/1000ft	5.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Inductance

Nominal Inductance
0.097 μ H/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 - 1002 MHz	20 dB
1002 - 2250 MHz	15 dB
2250 - 3000 MHz	10 dB

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.2 ns/ft	83 %

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.58 dB/100ft
55 MHz	1.60 dB/100ft
211 MHz	3.05 dB/100ft
270 MHz	3.37 dB/100ft
300 MHz	3.55 dB/100ft
350 MHz	3.85 dB/100ft
400 MHz	4.15 dB/100ft
450 MHz	4.40 dB/100ft
550 MHz	4.90 dB/100ft
750 MHz	5.65 dB/100ft
870 MHz	6.11 dB/100ft
1000 MHz	6.55 dB/100ft
1450 MHz	8 dB/100ft
1800 MHz	8.80 dB/100ft
2250 MHz	10.0 dB/100ft
3000 MHz	11.9 dB/100ft

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

UV Resistance:	Yes - Black only
Bulk Cable Weight:	28 lbs/1000ft
Max Recommended Pulling Tension:	138 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

NEC/(UL) Specification:	CATV, CM
CEC/C(UL) Specification:	CM
RG Type:	6/U Type
Series Type:	Series 6

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:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Length
1613A 0101000	Black	612825119098	1,000 ft
1613A 010A1000	Black	612825119074	1,000 ft
1613A 010U1000	Black	612825119081	1,000 ft
1613A 0091000	White	612825119067	1,000 ft
1613A 009A1000	White	612825119043	1,000 ft
1613A 009U1000	White	612825119050	1,000 ft
1613A Q5HU1000	White, Neutral	612825119036	1,000 ft

History

Update and Revision:	Revision Number: 0.285 Revision Date: 02-14-2020
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