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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.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Part Number: 1613AP

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



Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BCCS - Bare Copper Covered Steel	0.040 in	1

Conductor Size:	18 AWG
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Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.168 in

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.239 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Outer Conductor DCR
28.0 Ohm/1000ft	5.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield

16.2 pF/ft

Shielding:	Foil + Braid + Foil (Tri)
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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

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
10 MHz	0.66 dB/100ft
50 MHz	1.6 dB/100ft
100 MHz	2.2 dB/100ft
200 MHz	3 dB/100ft
400 MHz	4.6 dB/100ft
700 MHz	6.6 dB/100ft
900 MHz	7.7 dB/100ft
1000 MHz	8.2 dB/100ft

Delay

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

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1000 MHz	9 dB/100ft

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max Recommended Pulling Tension:	138 lbs
Min Bend Radius/Minor Axis:	2.4 in

Standards

NEC/(UL) Specification:	CATVP
RG Type:	6/U Type
Series Type:	Series 6
RG / Series Type:	Series 6
Other Specification:	CEC/C(UL): CMP

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:	Yes
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2012-11-06
CA Prop 65 (CJ for Wire & Cable):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
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UL Flammability:	NFPA 262
CSA Flammability:	FT6
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1613A, 1613B, 1613R
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Variants

Item #	Color	Footnote
1613AP 0091000	White	C
1613AP 009U1000	White	

Footnote:	C - CRATE REEL PUT-UP.
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