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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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!



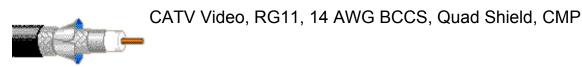
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Part Number: 1617AP



Product Description

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, foam FEP insulation, Duobond® IV, aluminum braid shield (Foil + 60% Braid + Foil + 40% Braid), Solef PVDF fluorocopolymer jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	Direct Broadcast Satellite, DBS, TV, CATV, Off-Air Television, TV Antenna

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material		Nominal Diameter	No. of Coax
14	Solid	BCCS - Bare Copper C	overed Steel	0.064 in	1
Condu	ctor Count:		1		
Conductor Size:		14 AWG			

Insulation

Material Nominal Diameter

FFEP - Foam Fluorinated Ethylene Propylene 0.274 in

Outer Shield Material

Туре	Layer	Material	Material Trade Name	Coverage [%]
Таре	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		60 %
Таре	3	Aluminum/Polyester/Aluminum	Duofoil®	100 %
Braid	4	AL - Aluminum		40 %

Outer Jacket Material

Material	Nominal Diameter
PVDF - Fluorocopolymer	0.372 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	
16.3 pF/ft		
Shielding:	Multiple or Special	ty

Inductance

Nominal Inductanc
0.106 µH/ft

Impedance

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5 - 1000 MHz	20 dB
1000 - 2250 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.2 dB/100ft
10 MHz	0.5 dB/100ft
50 MHz	0.9 dB/100ft
100 MHz	1.3 dB/100ft
200 MHz	1.9 dB/100ft
400 MHz	2.8 dB/100ft
700 MHz	3.9 dB/100ft
900 MHz	4.7 dB/100ft
1000 MHz	5 dB/100ft
1450 MHz	6.7 dB/100ft
1800 MHz	7.7 dB/100ft
2250 MHz	8.5 dB/100ft

Delay

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

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.38 dB/100ft
55 MHz	1.12 dB/100ft
211 MHz	2.24 dB/100ft
270 MHz	2.59 dB/100ft
300 MHz	2.75 dB/100ft
350 MHz	3.08 dB/100ft
400 MHz	3.34 dB/100ft
450 MHz	3.64 dB/100ft
550 MHz	4.19 dB/100ft
700 MHz	5.03 dB/100ft
800 MHz	5.51 dB/100ft
870 MHz	5.86 dB/100ft
1000 MHz	6.53 dB/100ft
1450 MHz	8.50 dB/100ft
1800 MHz	10.0 dB/100ft
2250 MHz	11.8 dB/100ft

Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	300 V RMS

Temperature Range

Non-UL Temp Rating:	150°C
Operating Temp Range:	-20°C To +150°C

Mechanical Characteristics

Bulk Cable Weight:	62 lbs/1000ft
Max Recommended Pulling Tension:	260 lbs
Min Bend Radius/Minor Axis:	3.75 in

Standards

NEC/(UL) Specification:	CATVP, CMP
CEC/C(UL) Specification:	CMP

RG Type:	11/U Туре
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:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-07-16
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes

7999A

Part Number

1	New Discuss Newsberg
	Non-Plenum Number:

Variants

ltem #	Color
1617AP 0101000	
1617AP 0101000	Black

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