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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.

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: 1523AP
CATV Video, RG11, 14 AWG BCCS, Shielded, CMP

Product Description
CATV Video, Series 11, 14 AWG solid bare copper-covered steel conductor, foam FEP insulation, Duobond® II, aluminum braid shield (Foil + 60% Braid), Plenum CMP, fluorocopolymer jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	CATV, Broadband

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
FFEP - Foam Fluorinated Ethylene Propylene	0.274 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil® (Bonded to Dielectric)	100 %
Braid	2	AL - Aluminum		60 %

Outer Jacket Material

Material	Nominal Diameter
PVDF - Fluorocopolymer	0.348 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
11 Ohm/1000ft	4.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield	
16.3 pF/ft	
Shielding:	Multiple or Specialty

Inductance

Nominal Inductance
0.106 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	0.2 dB/100ft
10 MHz	0.4 dB/100ft
50 MHz	1.0 dB/100ft
100 MHz	1.4 dB/100ft
200 MHz	2.3 dB/100ft
400 MHz	3.7 dB/100ft
700 MHz	5.3 dB/100ft
900 MHz	6.4 dB/100ft
1000 MHz	6.9 dB/100ft

Delay

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

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

UV Resistance:	No
Bulk Cable Weight:	57 lbs/1000ft
Max Recommended Pulling Tension:	260 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

NEC/(UL) Specification:	CATVP, CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca
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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Suitability - Sunlight Resistance:	No
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Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1523A
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Variants

Item #	Color	Footnote
1523AP 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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