



Product: [1530A](#)

CATV Video, RG6, 18 AWG BCCS, Foil + Braid, CM PVC Jacket



Product Description

CATV, Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II, aluminum braid shield (90% coverage), CM PVC jacket.

Technical Specifications

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

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in

Table Notes: Gas Injected

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Aluminum		90%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.27 in

Electrical Characteristics

Conductor DCR		
Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
28 Ohm/1000ft	5 Ohm/1000ft	5 Ohm/1000ft
Capacitance		
Nom. Capacitance Conductor to Shield		
16.2 pF/ft		
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
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Delay

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

High Frequency

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

Voltage

UL Voltage Rating
350 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max. Pull Tension:	162 lbs
Min. Bend Radius/Minor Axis:	2.75 in

Standards

NEC/(UL) Compliance:	CATV, CM
CEC/C(UL) Compliance:	CM
CPR Euroclass:	Eca
RG Type:	6
Series Type:	6

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	350 V RMS

Plenum/Non-Plenum

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Plenum (Y/N):	No
Plenum Number:	1530AP

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1530A 0101000	Black	Reel	1,000 ft	612825117247
1530A 010U1000	Black	UnReel	1,000 ft	612825117230
1530A Q5H1000	White, Neutral	Reel	1,000 ft	612825117223
1530A Q5HU1000	White, Neutral	UnReel	1,000 ft	612825117216

History

Update and Revision:	Revision Number: 0.436 Revision Date: 04-29-2024
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