

## 1530A Coax - CATV Cable

For more Information  
please call

1-800-Belden1

**General Description:**

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

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

Total Number of Conductors: 1

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

**Outer Shield****Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	90

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.270 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +80°C

UL Temperature Rating: 80°C

Bulk Cable Weight: 28 lbs/1000 ft.

Max. Recommended Pulling Tension: 162 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CATV, CM

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (RoHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Series Type: Series 6

**Flame Test**

UL Flame Test:	UL1685 UL Loading
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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Plenum Number:	1530AP
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:****Impedance (Ohm)**

75.000

**Nom. Inductance:****Inductance (µH/ft)**

.097

**Nom. Capacitance Conductor to Shield:****Capacitance (pF/ft)**

16.2

**Nominal Velocity of Propagation:****VP (%)**

83

**Nominal Delay:****Delay (ns/ft)**

1.2

**Nom. Conductor DC Resistance:****DCR @ 20°C (Ohm/1000 ft)**

28.0

**Nominal Outer Shield DC Resistance:****DCR @ 20°C (Ohm/1000 ft)**

5

**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
5	0.67
55	1.60
211	2.87
270	3.24
300	3.43
350	3.72
400	4.00
450	4.26
550	4.71
750	5.59
870	6.00
1000	6.54

**Max. Operating Voltage - UL:****Voltage**

350 V RMS

**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	1000	20

**Sweep Test**

Sweep Testing:	5 MHz - 1 GHz
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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1530A Q5HU1000	1,000 FT	30.000 LB	WHITE, NEUTRAL		#18 GIFHDLDP SH FR PVC
1530A Q5H1000	1,000 FT	31.000 LB	WHITE, NEUTRAL		#18 GIFHDLDP SH FR PVC
1530A 010U1000	1,000 FT	30.000 LB	BLACK		#18 GIFHDLDP SH FR PVC
1530A 010I1000	1,000 FT	31.000 LB	BLACK		#18 GIFHDLDP SH FR PVC

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