

## 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. (mm)
1	18	Solid	BCCS - Bare Copper Covered Steel	1.016

Total Number of Conductors: 1

**Insulation**

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	4.572

**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: 6.858 mm

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	80°C
Bulk Cable Weight:	41.670 Kg/Km
Max. Recommended Pulling Tension:	720.608 N
Min. Bend Radius/Minor Axis:	69.850 mm

**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

#### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 1530AP

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75.000

#### Nom. Inductance:

Inductance (μH/m)

0.318257

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.1522

#### Nominal Velocity of Propagation:

VP (%)

83

#### Nominal Delay:

Delay (ns/m)

3.9372

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

91.868

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

16.405

#### Max. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

5 2.19827

55 5.2496

211 9.41647

270 10.6304

300 11.2538

350 12.2053

400 13.124

450 13.9771

550 15.4535

750 18.3408

870 19.686

1000 21.4577

#### 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

**Put Ups and Colors:**

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

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