

## 1617A Coax - CATV Cable

 For more Information  
 please call

1-800-Belden1

**General Description:**

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (60% and 40% coverage), PVC jacket

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BCCS - Bare Copper Covered Steel	.064

Total Number of Conductors: 1

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.280

**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	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.407 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
Bulk Cable Weight:	60 lbs/1000 ft.
Max. Recommended Pulling Tension:	308 lbs.
Min. Bend Radius/Minor Axis:	4 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
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Series Type:	Series 11
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**Flame Test**

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

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

Impedance (Ohm)
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75.000
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**Nom. Inductance:**

Inductance (µH/ft)
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0.097
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.2
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**Nominal Velocity of Propagation:**

VP (%)
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83
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**Nominal Delay:**

Delay (ns/ft)
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1.2
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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11.0
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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3
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**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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5	.38
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55	.97
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211	1.81
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270	2.05
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300	2.15
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350	2.32
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400	2.47
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450	2.65
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550	2.94
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750	3.50
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870	3.84
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1000	4.23
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**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Max. Operating Voltage - Non-UL:**

Voltage
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300 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
1617A 0101000	1,000 FT	67.000 LB	BLACK		#14 GIFHDLDPPE DBL SH PVC

Revision Number: 1    Revision Date: 08-13-2012

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