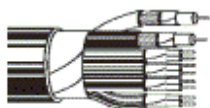


## 1347A Composite - Composite Data, Audio, Video, Security and Control Cable



For more Information  
please call

1-800-Belden1

**Description:**

Coax (2 - 1505A Type) 20 AWG BC, GIPPE insulation, Duofoil® plus TC braid (95% cv.), PVC inner jackets. Pairs (4 - 9451 Type): 22 AWG TC, PP insul., drain, Beldfoil® shield bonded to pair jacket. Color coded jackets. Cabled. Overall flex. PVC jacket.

**Usage (Overall)****Suitable Applications:**

Electronic News Gathering (ENG), Electronic Field Production (EFP), Analog Audio + Digital Video Composite Applications, 2V + 4A

**Coax****Physical Characteristics****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
2	20	Solid	BC - Bare Copper	0.034

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

Insulation Material	Dia. (in.)
Gas- injected FPE - Foam Polyethylene	0.145

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

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
	Braid	TC - Tinned Copper	95.000

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

Outer Jacket Material
PVC - Polyvinyl Chloride

**Outer Jacket Color Code Chart:**

Number	Color
1	Black
2	White

**Overall Diameter**

Overall Nominal Diameter: 0.233 in.

**Applicable Specifications and Agency Compliance****Applicable Standards & Environmental Programs**

Series Type: 59/U

**Electrical Characteristics****Nom. Characteristic Impedance:**

Impedance (Ohm)
75

**Nom. Inductance:**

Inductance (µH/ft)
0.107

## 1347A Composite - Composite Data, Audio, Video, Security and Control Cable

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.300

## Nominal Velocity of Propagation:

VP (%)
82.000

## Nominal Delay:

Delay (ns/ft)
1.220

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.000

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.800

## Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	850.000	20.000
850.000	4500.000	15.000

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
3.600	0.600
5.000	0.630
7.000	0.740
10.000	0.900
67.500	2.050
71.500	2.100
88.500	2.200
100.000	2.300
135.000	2.700
143.000	2.800
180.000	3.100
270.000	3.800
360.000	4.400
540.000	5.500
720.000	6.400
750.000	6.500
1000.000	7.600
1500.000	9.300
2000.000	10.900
2250.000	11.600
3000.000	13.400
4500.000	16.400

## Max. Operating Voltage - UL:

300 V RMS

## Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms. Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

## Twisted Pair

## Physical Characteristics

## Conductor

## AWG:

# Pairs	AWG	Stranding	Conductor Material
4	22	7x30	BC - Bare Copper

## 1347A Composite - Composite Data, Audio, Video, Security and Control Cable

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

Insulation Material	Dia. (in.)
PP - Polypropylene	0.046

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

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

**Outer Shield Drain Wire AWG:**

AWG Stranding	Drain Wire Conductor Material
22 7x30	TC - Tinned Copper

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

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.020

**Outer Jacket Color Code Chart:**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow

**Overall Diameter**

Overall Nominal Diameter: 0.135 in.

**Electrical Characteristics****Input/Unfitted Impedance:**

Impedance (Ohm)
45.000

**Nom. Inductance:**

Inductance (µH/ft)
0.170

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
35.000

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
67.000

**Nominal Velocity of Propagation:**

VP (%)
66.000

**Nominal Delay:**

Delay (ns/ft)
1.500

**Maximum Conductor DC Resistance:**

DCR @ 20°C (Ohm/100 m)
14.100

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
14.300

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

## 1347A Composite - Composite Data, Audio, Video, Security and Control Cable

## Max. Recommended Current:

## Current

2.9 Amps per conductor @ 25°C

## Physical Characteristics (Overall)

## Outer Shield

## Outer Shield Material:

## Outer Shield Material

Unshielded

## Outer Jacket

## Outer Jacket Material:

## Outer Jacket Material

PVC - Polyvinyl Chloride

## Overall Cable

Overall Nominal Diameter: 0.630 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 190 lbs/1000 ft.

Max. Recommended Pulling Tension: 213.000 lbs.

Min. Bend Radius (Install)/Minor Axis: 6.300 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMG

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

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

EU RoHS Compliance Date (mm/dd/yyyy): 06/05/2006

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

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

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

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1666 Riser

C(UL) Flame Test: FT4

IEEE Flame Test: 1202

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Max. Operating Voltage - UL:

## Voltage

300 V RMS

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

## 1347A Composite - Composite Data, Audio, Video, Security and Control Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1347A B591000	1,000 FT	232.000 LB	BLACK, MATTE	C	COMPOSITE CABLE PVC
1347A B59500	500 FT	108.500 LB	BLACK, MATTE	C	COMPOSITE CABLE PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 0    Revision Date: 02-15-2008

© 2012 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.