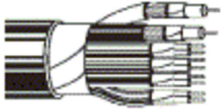




Product: [1347A](#)



Composite Data, Audio, Video, Security and Control

### Product Description

Composites, 2 Coax 20 AWG BC, GIFPE insulation, TC braid 95% coverage, overall foil tape and 4 PR 22 AWG TC, PP insulation, bonded foil tape plus drain wire, overall CMR rating and PVC jacket.

### Technical Specifications

#### Product Overview

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

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Coax(es)	2	20 AWG	Solid	BC - Bare Copper
Pair(s)	4	22 AWG	7x30	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Coax(es)	PE - Polyethylene (Foam)	0.0547 in (1.39 mm)	0.145 in (3.68 mm)	White and Numbered	
Pair(s)	PP - Polypropylene	0.0085 in (0.22 mm)	0.046 in (1.2 mm)	Black and Red and Numbered	
				Brown, Red, Orange, Yellow	colors mentioned here is for inner Jacket

##### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Each Pair	Tape	Tri-Laminate (Alum+Poly+Alum)	100%	22 AWG (7x30) TC
Coax(es)	Braid	Tinned Copper (TC)	93%	
Tape	Tape	Tri-Laminate (Alum+Poly+PVC)	100%	22 AWG (7x30) TC

##### Outer Shield

Shield Type	Material	Coverage
Tape	No Shield	100%
Braid	Tinned Copper (TC)	95%
Tape	Bi-Laminate (Alum+Poly)	100%
	No Shield	

##### Inner Jacket

Element	Material	Nom. Thickness	Nom. Diameter
Coax(es)	PVC - Polyvinyl Chloride	0.305 in (7.75 mm)	0.233 in (5.92 mm)
Pair(s)	PVC - Polyvinyl Chloride	0.020 in (0.51 mm)	0.135 in (3.43 mm)

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.0575 in (1.46 mm)	0.640 in

Overall Cable Diameter (Nominal):	0.640 in
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#### Electrical Characteristics

## Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Coax(es)	11.3 Ohm/1000ft	13.93 Ohm/1000ft (45.70 Ohm/km)	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	75 Ohm	82%	8 Amps per Conductor at 30°C
Pair(s)	18.2 Ohm/1000ft (59.7 Ohm/km)	14.3 Ohm/1000ft (46.9 Ohm/km)	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	45 Ohm	66%	1.96 Amps per Conductor at 30°C

## Voltage

UL Voltage Rating
300 V

## Mechanical Characteristics

### Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

### Bend Radius

Stationary Min.	Installation Min.
6.40 in (163 mm)	6.40 in

Max. Pull Tension:	182.78 lbs (82.908 kg)
Bulk Cable Weight:	190 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEEE 1202 FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.464 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1347A B59500	Black, Matte	Reel	500 ft	612825112358	C
1347A B591000	Black, Matte	Reel	1,000 ft	612825112341	C

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