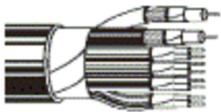




Product: [1347A](#)



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 Impedence	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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