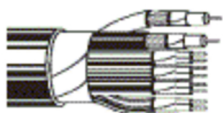


Product: [1347A](#) 



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

RG Type:	59
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Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	2	20 AWG	Solid	0.034 in	BC - Bare Copper
Pair(s)	4	22 AWG	7x30	0.0285 in	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code	Notes
Coax(es)	PE - Polyethylene (Foam)	0.145 in (3.68 mm)	White and Numbered	
Pair(s)	PP - Polypropylene	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

Inner Jacket

Element	Material	Nom. Diameter
Coax(es)	PVC - Polyvinyl Chloride	0.233 in (5.92 mm)

Outer Shield

Outer Shield Type	Material	Material Trade Name	Coverage
Tape	No Shield	Duofoil®	100%
Braid	Tinned Copper (TC)		95%
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
	No Shield		

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.640 in

Overall Cable Diameter (Nominal):	0.640 in
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Electrical Characteristics

Return Loss

Frequency	Min. Return Loss
5-850 MHz	20 dB
850-4500 MHz	15 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.3 dB/100ft
3.6 MHz	0.6 dB/100ft
5 MHz	0.63 dB/100ft
7 MHz	0.74 dB/100ft
10 MHz	0.9 dB/100ft
67.5 MHz	2.05 dB/100ft
71.5 MHz	2.1 dB/100ft
88.5 MHz	2.2 dB/100ft
100 MHz	2.3 dB/100ft
135 MHz	2.7 dB/100ft
143 MHz	2.8 dB/100ft
180 MHz	3.1 dB/100ft
270 MHz	3.8 dB/100ft
360 MHz	4.4 dB/100ft
540 MHz	5.5 dB/100ft
720 MHz	6.4 dB/100ft
750 MHz	6.5 dB/100ft
1000 MHz	7.6 dB/100ft
1500 MHz	9.3 dB/100ft
2000 MHz	10.9 dB/100ft
2250 MHz	11.6 dB/100ft
3000 MHz	13.4 dB/100ft
4500 MHz	16.4 dB/100ft

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Coax(es)	11.3 Ohm/1000ft	13.93 Ohm/1000ft (45.70 Ohm/km)		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)	14.3 Ohm/1000ft (46.9 Ohm/km)	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: 0.466 Revision Date: 09-07-2025
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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

Footnote:	C - CRATE REEL PUT-UP.
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