




Product: [1857A](#) 

Triax, RG59, 22 AWG Str BC, Double 95% BC Braids, Belflex® Jkt, Flexible

Product Description

Triax, RG59, 22 AWG (19x34) Bare Copper Conductor, PE Insulation, 95% Bare Copper Braid Shield, PE Insulation, 95% Bare Copper Braid Shield, Belflex® Jacket, Flexible

Technical Specifications

Product Overview

Suitable Applications:	Analog Video; Interconnect camera to CCU (camera control unit)
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Construction Details

RG Type:	59
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Conductor

Size	Stranding	Nom. Diameter	Material
22 AWG	19x34	0.031 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.143 in (3.63 mm)	White

Inner Shield

Layer	Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%

Inner Jacket

Material	Nom. Diameter
PE - Polyethylene	0.216 in (5.49 mm)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.360 in (9.14 mm)

Overall Cable Diameter (Nominal):	0.360 in (9.14 mm)
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Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 850 MHz	21 dB
850 - 3000 MHz	15 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.30 dB/100ft

3.6 MHz	0.50 dB/100ft
10 MHz	0.80 dB/100ft
71.5 MHz	2.20 dB/100ft
135 MHz	3.10 dB/100ft
270 MHz	4.50 dB/100ft
360 MHz	5.40 dB/100ft
540 MHz	6.80 dB/100ft
720 MHz	8.10 dB/100ft
750 MHz	8.40 dB/100ft
1000 MHz	10.10 dB/100ft
1500 MHz	13.30 dB/100ft
2250 MHz	17.60 dB/100ft
3000 MHz	21.40 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
14.0 Ohm/1000ft	2.5 Ohm/1000ft (8.2 Ohm/km)	1.6 Ohm/1000ft (5.2 Ohm/km)	17.0 pF/ft (55.8 pF/m)	75 Ohm	77%

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-50°C to +80°C

Bend Radius

Installation Min.
3.6 in (91 mm)

Max. Pull Tension:	102 lbs (46.3 kg)
Bulk Cable Weight:	79 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, 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: 04-29-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1857A B59500	Black, Matte	Reel	500 ft	612825358404	C
1857A B591000	Black, Matte	Reel	1,000 ft	612825358411	C
1857A B594000	Black, Matte	Reel	4,000 ft	612825352181	
1857A B595000	Black, Matte	Reel	5,000 ft	612825436140	
1857A 0061000	Blue, Light	Reel	1,000 ft	612825356660	C
1857A 0021000	Red	Reel	1,000 ft	612825357643	C
1857A 0071000	Violet	Reel	1,000 ft	612825356578	C
1857A 004500	Yellow	Reel	500 ft	612825356677	
1857A 0041000	Yellow	Reel	1,000 ft	612825356684	C

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