



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
PE - Polyethylene (Foam)	0.143 in (3.63 mm)

#### 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 (45.9 Ohm/km)	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
-45°C to +60°C

#### Bend Radius

Installation Min.
3.6 in

Max. Pull Tension:	102 lbs (46.3 kg)
Bulk Cable Weight:	78 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

### History

Update and Revision:	Revision Number: 0.309 Revision Date: 11-09-2022
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### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC
1857A B59500	Black, Matte	Reel	500 ft	612825358404
1857A B591000	Black, Matte	Reel	1,000 ft	612825358411
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
1857A 0021000	Red	Reel	1,000 ft	612825357643
1857A 0071000	Violet	Reel	1,000 ft	612825356578
1857A 004500	Yellow	Reel	500 ft	612825356677
1857A 0041000	Yellow	Reel	1,000 ft	612825356684

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