

Part Number: 1857A

Video Triax, RG59, #22 Stranded, Belflex jacket



Product Description

22 AWG stranded (19x34) .031" bare copper conductor, foam polyethylene insulation, bare copper braid shields (95% coverage), Belflex jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor/Outdoor
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	19x34	BC - Bare Copper	0.031 in	1

Conductor Count:	1
Conductor Size:	22 AWG

Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.143 in

Inner Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Inner Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.216 in

Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC Blend - Polyvinyl Chloride Blend	Belflex®	0.36 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR
14 Ohm/1000ft	14 Ohm/1000ft		2.5 Ohm/1000ft	1.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17 pF/ft

Shielding:	Multiple or Specialty
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Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance

75 Ohm

Return Loss (RL)

Frequency [MHz] | Min. Structural Return Loss (SRL)

5-850 MHz | 21 dB

850-3000 MHz | 15 dB

High Frequency (Nominal/Typical)

Frequency [MHz] | Nom. Insertion Loss

1 MHz | 0.3 dB/100ft

3.6 MHz | 0.5 dB/100ft

10 MHz | 0.8 dB/100ft

71.5 MHz | 2.2 dB/100ft

135 MHz | 3.1 dB/100ft

270 MHz | 4.5 dB/100ft

360 MHz | 5.4 dB/100ft

540 MHz | 6.8 dB/100ft

720 MHz | 8.1 dB/100ft

750 MHz | 8.4 dB/100ft

1000 MHz | 10.1 dB/100ft

1500 MHz | 13.3 dB/100ft

2250 MHz | 17.6 dB/100ft

3000 MHz | 21.4 dB/100ft

Delay

Nominal Delay | Nominal Velocity of Propagation (VP) [%]

1.29 ns/ft | 79 %

Voltage

Non-UL Voltage Rating

300 V RMS

Temperature Range

Non-UL Temp Rating: 75°C

Operating Temp Range: -35°C To +75°C

Mechanical Characteristics

Bulk Cable Weight: 79 lbs/1000ft

Max Recommended Pulling Tension: 124 lbs

Min Bend Radius/Minor Axis: 3.75 in

Standards

CPR Euroclass: Eca

RG Type: 59/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: No

EU RoHS Compliance Date (yyyy-mm-dd): 2004-01-01

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes - Black for permanent outdoor installations; all colors suitable for outdoor field deployable use

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	Footnote
1857A B591000	Black, Matte	C
1857A B59500	Black, Matte	C
1857A B594000	Black, Matte	
1857A B594000	Black, Matte	
1857A 0061000	Blue, Light	C
1857A 0021000	Red	C
1857A 0071000	Violet	C
1857A 0041000	Yellow	C
1857A 004500	Yellow	

Footnote: C - CRATE REEL PUT-UP.

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