

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

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
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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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