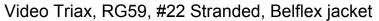


Part Number: 1857A





Product Description

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

Technical Specifications

Environmental Space:			ndoor/Outdoor			
Physical Characteristics (Overall)					I)	
Condu	ctor					
AWG	Stranding	Mate	erial	Nom	inal Diameter	No. of Coax
22	19x34	BC - Bare	e Copper	0.03	l in	1
Condu	uctor Count:				1	
Conductor Size:		22 AWG				
Insulat	ion					
	Material		Nomina	Diam	eter	
FPE -	Foamed Pol	yethylene	0.143 in			
Inner S	Shield Materi	al				
_	Materia	al C	overage [%1		
Type	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

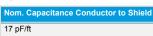
Material	Material Trade Name	Nominal Diameter
PVC Blend - Polyvinyl Chloride Blend	Belflex®	0.36 in

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



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	С
1857A B59500	Black, Matte	С
1857A B594000	Black, Matte	
1857A B594000	Black, Matte	
1857A 0061000	Blue, Light	С
1857A 0021000	Red	С
1857A 0071000	Violet	С
1857A 0041000	Yellow	С
1857A 004500	Yellow	

Footnote:	C - CRATE REEL PUT-UP.

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.