



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)
------------------------	----------------------------------------------------------------

Construction Details

RG Type:	59
----------	----

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)
-----------------------------------	--------------------

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: 0.463 Revision Date: 04-24-2023
----------------------	--------------------------------------------------

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

© 2023 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.