Belden



Product: 1856A

Triax, RG59, 20 AWG Solid BC, Double 95% BC Braids, Belflex® Jkt

Product Description

Triax, RG59, 20 AWG Solid Bare Copper Conductor, PE Insulation, 95% Bare Copper Braid Shield, PE Insulation, 95% Bare Copper Braid Shield, Belflex® Jacket

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
20 AWG	Solid	0.032 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.145 in (3.68 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

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	0.60 dB/100ft
10 MHz	0.80 dB/100ft
71.5 MHz	2.20 dB/100ft
135 MHz	3.00 dB/100ft
270 MHz	4.20 dB/100ft
360 MHz	4.80 dB/100ft
540 MHz	5.90 dB/100ft
720 MHz	6.90 dB/100ft
750 MHz	7.10 dB/100ft
1000 MHz	8.80 dB/100ft
1500 MHz	12.00 dB/100ft
2250 MHz	16.40 dB/100ft
3000 MHz	20.40 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.
10.1 Ohm/1000ft	2.5 Ohm/1000ft (8.2 Ohm/km)	1.6 Ohm/1000ft (5.2 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

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:	124 lbs (56.2 kg)
Bulk Cable Weight:	76 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: 0.482 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1856A B591000	Black, Matte	Reel	1,000 ft	612825356899	C

Footnote:	C - CRATE REEL PUT-UP.

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