



Product: [1859A](#)

Triax, RG11, 15 AWG Str BC, Double BC Braids, PVDF Jkt, CMP



Product Description

Triax, RG11, 15 AWG (19x27) Bare Copper Conductor, FEP Insulation, 95% Bare Copper Braid Shield, PVDF Insulation, 90% Bare Copper Braid Shield, PVDF Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Analog Video; Interconnect camera to CCU (camera control unit)
------------------------	--

Construction Details

RG Type:	11
----------	----

Conductor

Size	Stranding	Nom. Diameter	Material
15 AWG	19x27	0.064 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.285 in (7.24 mm)

Inner Shield

Layer	Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%

Inner Jacket

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.350 in (8.89 mm)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	90%

Outer Jacket

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.406 in (10.3 mm)

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 850 MHz	21 dB
850 - 4500 MHz	15 dB

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
3.0 Ohm/1000ft (9.8 Ohm/km)	1.4 Ohm/1000ft (4.6 Ohm/km)	1.3 Ohm/1000ft (4.3 Ohm/km)	16.5 pF/ft (54.1 pF/m)	75 Ohm	80%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
125°C	-20°C to +125°C

Bend Radius

Installation Min.
4.0 in

Max. Pull Tension:	209 lbs (94.8 kg)
Bulk Cable Weight:	127 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.357 Revision Date: 11-27-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1859A 010500	Black	Reel	500 ft	612825125136	C
1859A 0101000	Black	Reel	1,000 ft	612825125129	C
1859A 0103000	Black	Reel	3,000 ft	612825381129	
1859A 0105000	Black	Reel	5,000 ft	612825435785	

© 2024 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.