BELDEN

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: 0.358 Revision Date: 04-29-2024

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	

Mouser Electronics

Authorized Distributor

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