

## Product: [1859A](#)

Video Triax, RG11, 15 AWG Stranded, CMP



### Product Description

RG-11/U type, 15 AWG stranded (19x27) triax, .064" bare copper conductor, plenum, foam FEP insulation, bare copper braid shields (95% and 90% coverage), CMP fluorocopolymer jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
15	19x27	BC - Bare Copper	0.064 in	1

Conductor Count: 1

##### Insulation

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.285 in

##### Inner Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

##### Inner Jacket Material

Material	Nominal Diameter
PVDF - Polyvinylidene Fluoride	0.35 in

##### Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	90 %

##### Outer Jacket Material

Material	Nominal Diameter
PVDF - Polyvinylidene Fluoride	0.406 in

### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
3.1 Ohm/1000ft	1.25 Ohm/1000ft	1.3 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Shield
16.5 pF/ft

##### Inductance

Nominal Inductance
0.108 $\mu$ H/ft

##### Impedance

**Nominal Characteristic Impedance**

75 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.1 dB/100ft
3.6 MHz	0.3 dB/100ft
10 MHz	0.5 dB/100ft
71.5 MHz	1.4 dB/100ft
135 MHz	2 dB/100ft
270 MHz	3.1 dB/100ft
360 MHz	3.6 dB/100ft
540 MHz	4.7 dB/100ft
720 MHz	5.7 dB/100ft
750 MHz	5.8 dB/100ft
1000 MHz	7.1 dB/100ft
1500 MHz	9.5 dB/100ft
2000 MHz	11.9 dB/100ft
2250 MHz	13.2 dB/100ft
3000 MHz	17.9 dB/100ft
4500 MHz	28.9 dB/100ft

**Delay**

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.27 ns/ft	80 %

**High Freq**

Frequency [MHz]
1 MHz
3.6 MHz
10 MHz
71.5 MHz
135 MHz
270 MHz
360 MHz
540 MHz
720 MHz
750 MHz
1000 MHz
1500 MHz
2000 MHz
2250 MHz
3000 MHz
4500 MHz

**Voltage**

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	300 V RMS

**Temperature Range**

Non-UL Temp Rating:	125°C
Operating Temp Range:	-20°C To +125°C

**Mechanical Characteristics**

Bulk Cable Weight:	125 lbs/1000ft
Max Recommended Pulling Tension:	264 lbs
Min Bend Radius/Minor Axis:	4 in

**Standards**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP

RG Type: 11/U Type

## Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	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):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

### Variants

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

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.287 Revision Date: 04-28-2020

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