

**Part Number: 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

### Product Overview

Environmental Space:	Indoor/Outdoor
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	1
AWG Size:	15

#### Insulation

Material	Material Trade Name	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	Teflon®	0.285 in

#### Inner Shield Material

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

#### Inner Jacket Material

Material	Nominal Diameter
PVDF - Fluorocopolymer	0.35 in

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nominal Diameter
PVDF - Fluorocopolymer	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
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0.108 µH/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
300V RMS	300V 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:	RG-11/U Type

## Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

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

## Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
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## Part Number

Plenum (Y/N):	Yes
Suggested Connectors:	Kings 7702-14 Plug, 7702-15 Jack

## Variants

Item #	Color	Footnote
1859A 0101000	BLACK	C
1859A 010500	BLACK	C
1859A 0103000	BLACK	
1859A 0103000	BLACK	

Footnote:	C - CRATE REEL PUT-UP.
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