

1859A Coax - RG-11/U Type

For more Information
please call

1-800-Belden1

**Description:**

15 AWG stranded (19x27) .064" bare copper conductor, plenum, foam FEP insulation, bare copper braid shields (95% and 90% coverage), fluorocopolymer jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	15	19x27	BC - Bare Copper	.064

Total Number of Conductors: 1

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.285

Inner Shield**Inner Shield Material:**

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Inner Jacket**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVDF - Fluorocopolymer	.350

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	90.000

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 0.406 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +125°C

Non-UL Temperature Rating: 125°C

Bulk Cable Weight: 125 lbs/1000 ft.

Max. Recommended Pulling Tension: 264 lbs.

Min. Bend Radius/Minor Axis: 4 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
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CEC/C(UL) Specification:	CMP
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EU CE Mark:	No
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	11/U
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Flame Test

UL Flame Test:	NFPA 262
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Burial:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/ft)

0.108

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.5

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/ft)

1.27

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.4

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	0.1
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3.6	0.2
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10	0.5
71.5	1.3
135	1.9
270	3.0
360	3.6
540	4.5
720	5.4
750	5.6
1000	6.6

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	850.000	21.000
850.000	4500.000	15.000

Sweep Test

Sweep Testing: 100% sweep tested 5 MHz to 4500 MHz.

Misc. Information (Overall)**Notes (Overall)**

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1859A 0101000	1,000 FT	134.000 LB	BLACK	C	#15 FFEP BRD SLF BRD PVDF
1859A 010500	500 FT	66.500 LB	BLACK	C	#15 FFEP BRD SLF BRD PVDF

Notes:

C = CRATE REEL PUT-UP.

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