

1859A Coax - RG-11/U Type



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	11/U
AWG	15
Stranding	19x27
Conductor Diameter	.064 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.285 in.

INNER SHIELD:

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

INNER JACKET:

Inner Jacket Material	PVDF - Fluorocopolymer
Inner Jacket Diameter	.350 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield %Coverage	87 %

OUTER JACKET:

Outer Jacket Material	PVDF - Fluorocopolymer
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OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.406 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	125°C
Non-UL Temperature Rating	125°C
Bulk Cable Weight	120 lbs/1000 ft.
Max. Recommended Pulling Tension	264 lbs.
Min. Bend Radius (Install)	4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	UL723 (NFPA 255)
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SWEEP TEST:

Sweep Testing	100% sweep tested 5 MHz to 850 MHz.
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SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes - when supported by messenger wire
Suitability - Burial	Yes
Suggested Connectors	Kings 7702-14 Plug, 7702-15 Jack

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	1.108 µH/ft
Nom. Capacitance Conductor to Shield	16.5 pF/ft
Nominal Velocity of Propagation	80 %
Nominal Delay	1.27 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	3.1 Ohms/1000 ft
Nom. Inner Shield DC Resistance:	1.4 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.4 Ohms/1000 ft
Minimum Return Loss :	

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)
		5	850	21

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.1
	3.6			0.2
	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 300 V RMS

Max. Operating Voltage - Non-UL 300 V RMS

NOTES:

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	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1859A 0101000	#15 FFEP BRD SLF BRD SLF	1000	134	BLACK	C
1859A 010500	#15 FFEP BRD SLF BRD SLF	500	66.5	BLACK	C

C = CRATE REEL PUT-UP.

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