

1858A Coax - RG-11/U Type

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® 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	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.312 in.

INNER SHIELD:

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

INNER JACKET:

Inner Jacket Material	PE - Polyethylene
Inner Jacket Diameter	.391 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material Trade Name	Belflex®
Outer Jacket Material	PVC Blend - Polyvinyl Chloride Blend

OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.520 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-35°C To +75°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	147 lbs/1000 ft.
Max. Recommended Pulling Tension	264 lbs.
Min. Bend Radius (Install)	5.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

SWEEP TEST:

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

Suitability - Indoor	Yes
Suitability - Outdoor	Yes - Black for Permanent Outdoor Installations; All Colors Suitable for Outdoor Field Deployable Use.

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	0.097 μ H/ft
Nom. Capacitance Conductor to Shield	17.3 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.30 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	3.1 Ohms/1000 ft
Nom. Inner Shield DC Resistance:	1.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.4 Ohms/1000 ft

Minimum Return Loss :

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

Nom. Attenuation :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.14
	3.6			0.30
	10			0.50
	71.5			1.20
	135			1.80
	270			2.60
	360			3.10
	540			3.90
	720			4.70
	750			4.80
	1000			5.70

Max. Operating Voltage - Non-UL 300 V RMS

Other Electrical Characteristic 1 Nominal Capacitance 1st Shield to 2nd Shield: 205 pf/ft.

Other Electrical Characteristic 2 Nominal Voltage Breakdown: 20K V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1858A 0021000	#15 GIFHDL DPE PVC TRIAX	1000	157	RED	C
1858A 002500	#15 GIFHDL DPE PVC TRIAX	500	80.5	RED	C
1858A 0041000	#15 GIFHDL DPE PVC TRIAX	1000	157	YELLOW	C
1858A 004500	#15 GIFHDL DPE PVC TRIAX	500	80.5	YELLOW	C
1858A 0051000	#15 GIFHDL DPE PVC TRIAX	1000	157	GREEN, DARK	C
1858A 005500	#15 GIFHDL DPE PVC TRIAX	500	80.5	GREEN, DARK	C
1858A 0061000	#15 GIFHDL DPE PVC TRIAX	1000	157	BLUE, LIGHT	C
1858A 006500	#15 GIFHDL DPE PVC TRIAX	500	80.5	BLUE, LIGHT	C
1858A 0071000	#15 GIFHDL DPE PVC TRIAX	1000	157	VIOLET	C
1858A 007500	#15 GIFHDL DPE PVC TRIAX	500	80.5	VIOLET	C
1858A B591000	#15 GIFHDL DPE PVC TRIAX	1000	157	BLACK, MATTE	C
1858A B59500	#15 GIFHDL DPE PVC TRIAX	500	80.5	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

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