Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1858A Coax - RG-11/U Type

For more Information please call

1-800-Belden1



General Description:

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	15	19x27	BC - Bare Copper	1.6256

Total Number of Conductors:

1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	7.9248

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. (mm)
PE - Polyethylene	9.9314

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 13.208 mm

Mechanical Characteristics (Overall)

-35°C To +75°C
75°C
218.765 Kg/Km
1174.320 N
139.700 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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	EU Directive 2011/65/EU (ROHS II):	Yes
	EU CE Mark:	No
	EU Directive 2000/53/EC (ELV):	Yes
	EU Directive 2002/95/EC (RoHS):	Yes
	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
	EU Directive 2002/96/EC (WEEE):	Yes
	EU Directive 2003/11/EC (BFR):	Yes
	CA Prop 65 (CJ for Wire & Cable):	Yes
	MII Order #39 (China RoHS):	Yes
	RG Type:	11/U
Suit	tability	
	Suitability - Indoor:	Yes
	Suitability - Outdoor:	Yes - Black for Permanent Outdoor Installations; All Colors Suitable for Outdoor Field Deployable Use.
Pler	num/Non-Plenum	
_	Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



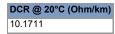
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 4.5934

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.328
3.600	0.984
10.000	1.641
71.500	3.937
135.000	5.906
270.000	8.531
360.000	10.171

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540.000	12.796
720.000	15.421
750.000	15.749
1000.000	18.702

Max. Operating Voltage - Non-UL:

Voltage 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

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	21

Sweep Test

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

Misc. Information (Overall)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1858A B591000	305 MT	69.854 KG	BLACK, MATTE	С	#15 GIFHDLDPE PVC TRIAX
1858A B59500	152 MT	36.514 KG	BLACK, MATTE	С	#15 GIFHDLDPE PVC TRIAX
1858A 0021000	305 MT	69.854 KG	RED	С	#15 GIFHDLDPE PVC TRIAX
1858A 002500	152 MT	36.514 KG	RED	С	#15 GIFHDLDPE PVC TRIAX
1858A 0041000	305 MT	69.854 KG	YELLOW	С	#15 GIFHDLDPE PVC TRIAX
1858A 004500	152 MT	36.514 KG	YELLOW	С	#15 GIFHDLDPE PVC TRIAX
1858A 0051000	305 MT	69.854 KG	GREEN, DARK	С	#15 GIFHDLDPE PVC TRIAX
1858A 0061000	305 MT	69.854 KG	BLUE, LIGHT	С	#15 GIFHDLDPE PVC TRIAX
1858A 006500	152 MT	36.514 KG	BLUE, LIGHT	С	#15 GIFHDLDPE PVC TRIAX

Notes:

C = CRATE REEL PUT-UP.

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