

BELDENCable**

1855A Coax - Sub-Miniature





For more information please call
1-800-Belden1

See Put-ups and Colors

Description:

 $23\ AWG\ solid\ .023"\ bare\ copper\ conductor,\ gas-injected\ foam\ HDPE\ insulation,\ Duofoil \$+tinned\ copper\ braid\ shield\ (95\%\ coverage),\ PVC\ jacket.$

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	Sub-miniature 59/U
AWG	23
Stranding	Solid
Conductor Diameter	.023 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.102 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duofoil®
Outer Shield Type	Tape/Braid

Outer Shield Material:

Layer Number	Trade Name	Туре	Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Shield %Coverage 100 %

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .159 in.

MECHANICAL CHARACTERISTICS:



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Operating Temperature Range	-30°C To +75°C
UL Temperature Rating	75°C
Bulk Cable Weight	18 lbs/1000 ft.
Max. Recommended Pulling Tension	36 lbs.
Min. Bend Radius (Install)	1.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test UL1666 Vertical Shaft

SWEEP TEST:

Sweep Testing 100% Sweep tested 5 MHz to 4.5 GHz.

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes - Black only
Suitability - Aerial	Yes - Black only, when supported by a messenger wire
Suggested Connectors	BNC - Kings 2065-11-9

PLENUM/NON-PLENUM:

Plenum (Y/N)

ELECTRICAL CHARACTERISTICS:

75 Ohms
.107 μH/ft
16.3 pF/ft
82 %
1.22 ns/ft
20.1 Ohms/1000 ft
7.6 Ohms/1000 ft

Minimum Return Loss:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)
		5	1600	23
		1601	4500	21



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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.39
	3.58			.78
	5			.92
	7			1.08
	10			1.20
	67.5			2.83
	71.5			3.06
	88.5			3.16
	100			3.33
	135			3.81
	143			3.92
	180			4.38
	270			5.40
	360			6.20
	540			7.70
	720			9.47
	750			9.59
	1000			10.5
	1500			13.0
·	2000			15.1
	2250			16.0
	3000			18.5
	4500			22.8

Max. Operating Voltage - UL

Other Electrical Characteristic 1

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms

Other Electrical Characteristic 2

Return loss tested in accordance with ASTM D-4566 paragraph 45.3 using a 75 Ohm fixed bridge and termination.

NOTES:

Notes Also available in multiples, bundled. See 7787A through 7792A.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1855A 0011000	#23 PE/GIFHDPE SH FR PVC	1000	16	BROWN	С
1855A 0021000	#23 PE/GIFHDPE SH FR PVC	1000	16	RED	С
1855A 0031000	#23 PE/GIFHDPE SH FR PVC	1000	16	ORANGE	С
1855A 0041000	#23 PE/GIFHDPE SH FR PVC	1000	16	YELLOW	С
1855A 0061000	#23 PE/GIFHDPE SH FR PVC	1000	16	BLUE, LIGHT	С

Detailed Specifications & Technical Data



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1855A 0071000	#23 PE/GIFHDPE SH FR PVC	1000	16	VIOLET	С
1855A 0081000	#23 PE/GIFHDPE SH FR PVC	1000	16	GRAY	С
1855A 0091000	#23 PE/GIFHDPE SH FR PVC	1000	16	WHITE	С
1855A 0101000	#23 PE/GIFHDPE SH FR PVC	1000	16	BLACK	С
1855A 010500	#23 PE/GIFHDPE SH FR PVC	500	9	BLACK	
1855A N3U1000	#23 PE/GIFHDPE SH FR PVC	1000	16	GREEN, MIL	С

C = CRATE REEL PUT-UP.

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