Amphenol Spectra-Strip®

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Flat High Temp
Ultra ATA
Serial ATA
Flat Coax

Part Information:

Part Number: 121-3001-025

Description: .100 pitch flat coax, 93 ohm

Family: Flat Coax

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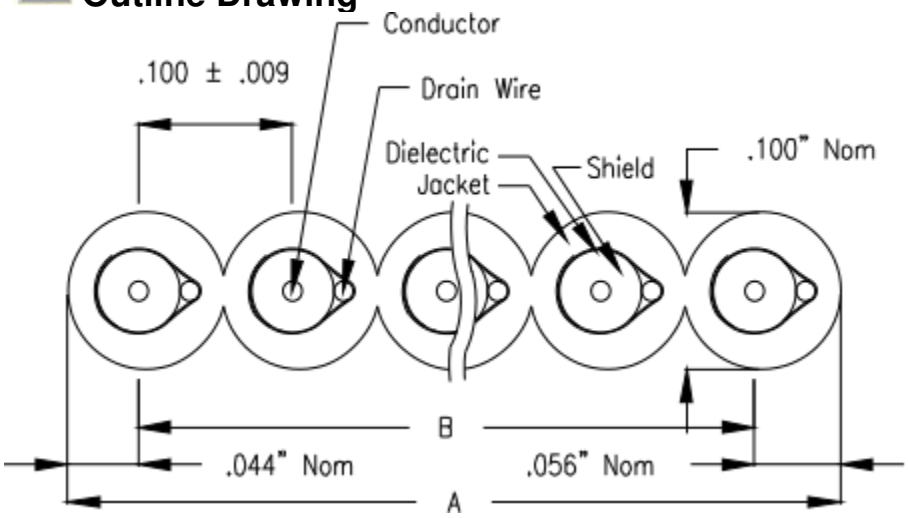
Outline Drawing



Introduction

Spectra-Coax planar cable is coaxial cable that can be mass terminated. Used in high speed computers and other digital equipment, coax planar cable combines economy of time and money through reliability, space and labor savings. Manufactured with controlled signal to signal centers, Spectra-Coax cable consists of individual solid conductors, each with foamed or solid polypropylene insulation, a foil shield, and an oriented drain wire. An extruded contoured outer jacket allows mass termination or separation and stripping of conductors. This standard flat cable can be cut to any length and still maintain controlled centers.

Spectra Strip can also custom design a coax planar cable for your exact needs. For other gauges, spacing and materials, please

Fiber Optics

consult the factory.

Features/Benefits

- High signal speed
- Controlled impedance
- Up to 33 signals, with precise spacing for controlled electrical characteristics
- Mass termination
- Conductor separation and stripping
- UL recognized style 2741

Specifications

Physical	
Center conductor	30 Awg solid copper, enamel coated
Dielectric	Foamed polypropylene
Diameter	.064" □ .002"
Drain Wire	28 Awg solid tinned copper
Shield	Longitudinally wrapped aluminum / polyester foil
Jacket	Red PVC, .017" nom wall
Conductor Spacing	.100" □ .009"
Cable Thickness	.100" nom

Electrical	
Impedance	93 □ 5 ohms
Capacitance	14.2 pf / ft nom
Crosstalk	< .1% NE and FE, unbalanced, 10 ft cable length. Risetime 3 ns
Propagation delay	1.35 ns / ft nom
Risetime Degradation	<350 ps / 10 ft (20 □ 80 %)

Attenuation	6 dB / 100 ft nom @ 100 MHz
UL Style	2741

Ordering Information

Part Number	No. Conds.	Width "A"		Width "B"	
		Inch	(mm)	Inch	(mm)
121-3001-002	2	.200	(05,08)	.100	(02,54)
121-3001-003	3	.300	(07,62)	.200	(05,08)
121-3001-004	4	.400	(10,16)	.300	(07,62)
121-3001-005	5	.500	(12,70)	.400	(10,16)
121-3001-006	6	.600	(15,24)	.500	(12,70)
121-3001-007	7	.700	(17,78)	.600	(15,24)
121-3001-008	8	.800	(20,32)	.700	(17,78)
121-3001-009	9	.900	(22,86)	.800	(20,32)
121-3001-010	10	1.000	(25,40)	.900	(22,86)
121-3001-013	13	1.300	(33,02)	1.200	(30,48)
121-3001-017	17	1.700	(43,18)	1.600	(40,64)
121-3001-020	20	2.000	(50,80)	1.900	(48,26)
121-3001-025	25	2.500	(63,50)	2.400	(60,96)
121-3001-030	30	3.000	(76,20)	2.900	(73,66)
121-3001-033	33	3.300	(83,82)	3.200	(81,28)