

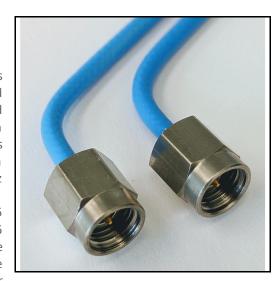


2.92mm Male to 2.92mm Male cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 10 inch

Product Features

P1CA-29M29M-ST085-10 is an RF Cable that is part of P1dB's Tight-Flex™ cable assembly series. With a minimum bend radius of 0.2 inch, the cable allows bends at the connector end eliminating the need for a right angle connector. It is a 10 inch 2.92mm Male to 2.92mm Male cable assembly that utilizes ST085 Tight-Flex, Triple Shielded coax, which is 0.104 inches in diameter. The Tight-Flex™ cable assembly operates to 40 GHz with a max VSWR of 1.35:1.

Tight-Flex[™] cable assemblies are a flexible version of RG405 semi-rigid and 085 conformable coax cables that meet RG405 dimensional and electrical specifications. Tight-Flex[™] cable assemblies can operate up to 40 GHz, depending on the installed connectors. The advantage of Tight-Flex[™] cables over other 085 flex cables are their triple shielding that add additional RF stability even during tight bends.



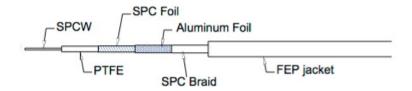
Electrical Specification: T_{Ambient} = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		40.0	

Mechanical And Environmental Specifications:

Parameter	Description	Notes	
Connector 1	2.92mm Male		
Connector 2	2.92mm Male		
Coax Cable	Tight-Flex, Triple Shielded		
Cable Type	ST085		
Coax Diameter	0.104		
Length	10.0		
RoHS Compliance	Yes		

Drawing



Graph

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0.0201				
0.51				
	0.0641			
1.63				
	0.0700			
1.80				
	0.0740			
1.90				
0.0885				
2.25				
2.64				
	FEP(BLUE)			
, , ,				
Solid PTFE				
Solid SPCW				
	50±2			
	10000000			
		Power		
	- GB/TOOM			
		240 160		
39	128	80		
52	170.6	57		
		44		
		33		
		22		
183 195	600	20 18		
	Attenuation dB/100Ft 14 23 39 52 80 110 131 146 160	0.0641 1.63 0.0708 1.80 0.0748 1.90 0.0885 2.25 0.104 2.64 FEP(BLUE) Round Silver Plated Copper Aliminium Tape Silver Plated Copper Tape Solid PTFE Solid SPCW 50±2 29.4 96.4 70 63 >-110dB Attenuation dB/100Ft dB/100M 14 45.9 75.4 39 128 39 128 39 128 52 170.6 80 262.4 110 361 131 430 146 479 160 525		

Product Notes