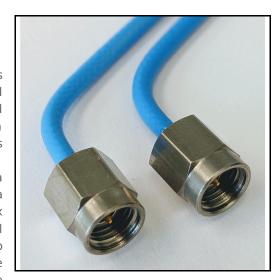


2.92mm Male to 2.92mm Male cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 14 inch

Product Features

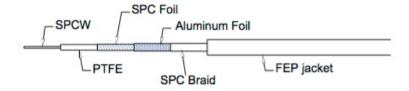
P1CA-29M29M-ST085-14 is an RF Cable that is part of P1dB's Tight-Flex™ cable assembly series. With a minimum bend radius of 0.2 inch, the cable allows bends at the connector end eliminating the need for a right angle connector. It is a 14 inch 2.92mm Male to 2.92mm Male cable assembly that utilizes ST085 triple shielded coax, which is 0.104 inches in diameter. The Tight-Flex™ cable assembly operates to 40 GHz with a maximum VSWR of 1.35.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.



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	14.0	
RoHS Compliance	Yes	

Drawing



Graph



P1CA-29M29M-ST085-14

2.92mm Male to 2.92mm Male cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 14 inch

DIMENSIONS			
Center Conductor Diameter			
(inch)	0.0201		
(mm)	0.51		
Dielectric Diameter			
(inch)		0.0641	
(mm)	1.63		
, , ,		1.03	
Diameter Over Inner Foil (inch)	0.0708		
(mm)	1.80		
		1.00	
Diameter Over Outer Foil (inch)	0.0748		
(mm)	1.90		
Diameter over Braid		1.50	
(inch)	0.0895		
1	0.0885		
(mm) Jacket Diameter		2.25	
		0.404	
(inch)	0.104		
(mm)	2.64		
MATERIAL SPECIFICATIONS			
Jacket	FEP(BLUE)		
Braid	Round Silver Plated Copper		
Outer Foil	Aliminium Tape		
Inner Foil	Silver Plated Copper Tape		
Dielectic	Solid PTFE		
Center Conductor		Solid SPCW	
ELECTRICAL CHARACTERISTICS		***	
Impedance		50±2	1.
Capacitance (Nominal)			
(pF/ft)	29.4		
(pF/m)	96.4		
Velocity of Propagation (%)	70		
Cutt Off Frequency (GHz)	63		
Shielding Effectiveness	> -110dB		
Max. Attenuation Max Power (Watts)	Attenuation Power		Power
Max Power (Watts)	dB/100Ft	dB/100M	
400MHz	14	45.9	240
1GHz 3GHz	23 39	75.4 128	160 80
5GHz	52	170.6	57
10GHz	80	262.4	44
18GHz 25GHz	110 131	361 430	33 29
30GHz	146	479	26
35GHz 40GHz	160 173	525	23
45GHz	183	567 600	22 20
50GHz	195	640	18

Product Notes