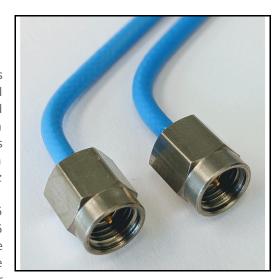


2.92mm Male to 2.92mm Male cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 20 inch

Product Features

P1CA-29M29M-ST085-20 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 20 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.

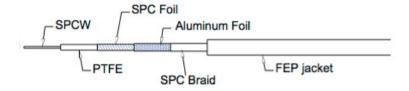
Tight-Flex[™] cable assemblies are a flexible version of RG405 semi-rigid and 085 conformable coax cables that meet RG405 dimensional and electrical specifications. Tight-Flex[™] cable assemblies can operate up to 40 GHz, depending on the installed connectors. The advantage of Tight-Flex[™] cables over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



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	20	
RoHS Compliance	Yes	

Drawing



Graph



P1CA-29M29M-ST085-20

2.92mm Male to 2.92mm Male cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 20 inch

DIMENSIONS			
Center Conductor Diameter			
(inch)	0.0201		
(mm)	0.51		
Dielectric Diameter			
(inch)		0.0641	
(mm)	1.63		
Diameter Over Inner Foil		1.00	
(inch)	0.0708		
(mm)	1.80		
Diameter Over Outer Foil			
(inch)	0.0748		
(mm)	1.90		
Diameter over Braid		1.00	
(inch)	0.0885		
(mm)	2.25		
Jacket Diameter		2.20	
(inch)	0.104		
(mm)	2.64		
MATERIAL SPECIFICATIONS		2.04	
		FERMINE	
Jacket	FEP(BLUE)		
Braid	Round Silver Plated Copper		
Outer Foil	Aliminium Tape		
Inner Foil Dielectic	Silver Plated Copper Tape Solid PTFE		
Center Conductor	Solid SPCW		
ELECTRICAL CHARACTERISTICS		00110 01 011	
		50±2	
Impedance		0015	
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 dB/100Ft : dB/100M		Power
		-	A
400MHz 1GHz	14 23	45.9 75.4	240 160
3GHz	39	128	80
5GHz	52	170.6	57
10GHz 18GHz	80 110	262.4 361	44 33
IOGNZ	131	430	29
25GHz	146	479	26
25GHz 30GHz 35GHz		479 525	26 23
25GHz 30GHz 35GHz 40GHz	146 160 173	479 525 567	26 23 22
25GHz 30GHz 35GHz	146 160	525	23

Product Notes