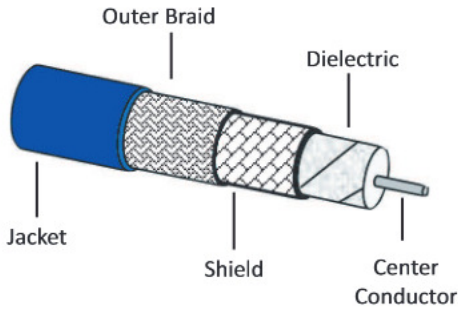


# TFT-LF Specifications:



### Cable Construction:

Center Conductor: Silver Plated Copper  
 Dielectric: Taped PTFE  
 Shield: Silver Plated Copper Flat Braid  
 Outer Braid: Tin Plated Copper Braid  
 Jacket: Blue FEP

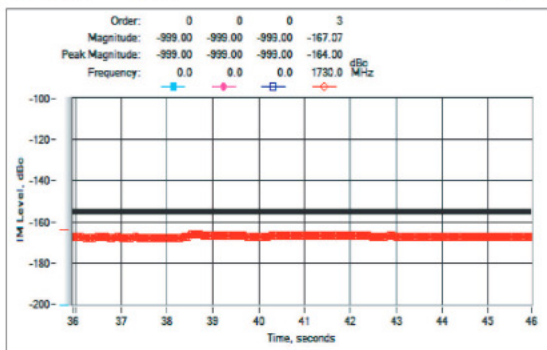
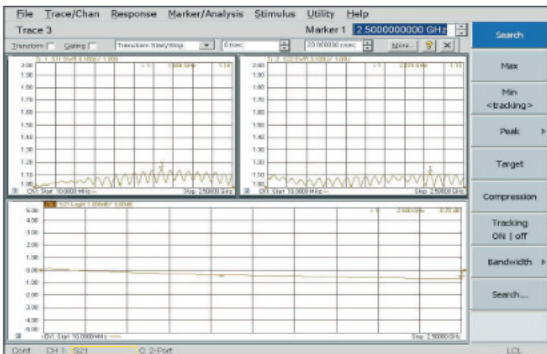
### Connectors:

Low PIM connectors are available with interfaces of N, SMA and 7-16 DIN. Please consult Times Microwave Systems with your requirements.

### Cable Assemblies:

Times Microwave Systems provides TFT-LF cable assemblies by custom configurations, factory tested for dynamic and static PIM performance, insertion loss and VSWR. Below are some typical test reports.

TFT-402-LF/1M/716F/716F



	TFT-401-LF		TFT-402-LF	
<b>AA Drawing Number</b>	AA-11432		AA-11431	
<b>Physical Specifications</b>				
Dimensions	in	(mm)	in	(mm)
Center Conductor	0.064	1.63	0.037	0.94
Dielectric	0.208	5.28	0.113	2.87
Shield	0.218	5.54	0.121	3.07
Outer braid	0.240	6.10	0.138	3.51
Jacket	0.265	6.73	0.160	4.06
<b>Mechanical Specifications</b>				
Bend Radius	1.375	34.93	0.750	19.05
Weight	78 lbs/1000ft		31 lbs/1000ft	
Operating Temperature Range	-55 to +150°C		-55 to +150°C	
<b>Electrical Specifications</b>				
Impedance	50 Ohms		50 Ohms	
Velocity of Propagation	72%		76%	
Capacitance	28.2 pf/ft		26.7 pf/ft	
Shielding Effectiveness	-80 dB		-80 dB	
Nominal Attenuation: dB/100ft (100m) (+25°C Ambient)				
30 MHz	1.21	3.97	2.00	6.56
150 MHz	2.82	9.25	4.70	15.4
450 MHz	5.10	16.7	8.50	27.9
900 MHz	7.60	24.9	12.6	41.3
2000 MHz	12.3	40.3	20.1	65.9
2500 MHz	14.1	46.2	23.0	75.4
3000 MHz	15.8	51.8	25.2	82.7
Power (kW) (+25°C Ambient; Sea Level)				
30 MHz	5.19		2.12	
150 MHz	2.29		0.95	
450 MHz	1.30		0.45	
900 MHz	0.90		0.39	
2000 MHz	0.59		0.26	
2500 MHz	0.52		0.23	
3000 MHz	0.43		0.16	



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