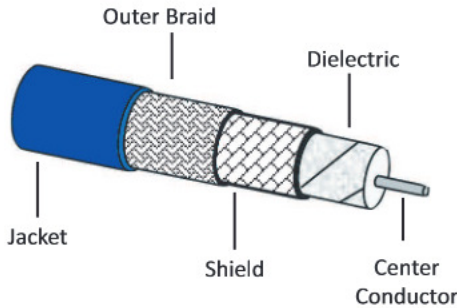


# TFT Specifications:



## 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

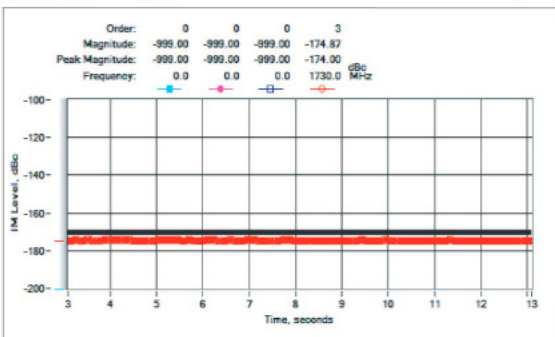
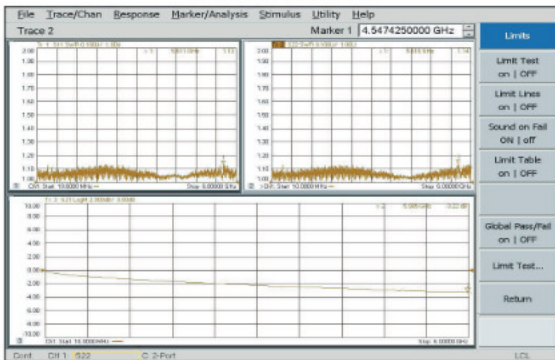
## Connectors:

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

## Cable Assemblies:

TFT cable assemblies of standard configuration are available in stock, factory tested for dynamic and static PIM, IL and VSWR. In addition, Times Microwave Systems also provides customized TFT cable assemblies according to the special requirements. Below are some typical test reports.

TFT-401/5.0M/NM/NM



	TFT-401		TFT-402	
<b>AA Drawing Number</b>	AA-11410		AA-11408	
<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	1.2	3.9	2.0	6.6
150 MHz	2.7	8.8	4.5	14.8
450 MHz	4.8	15.6	7.9	25.8
900 MHz	6.9	22.7	11.2	36.7
2000 MHz	10.7	35.1	16.8	55.0
2500 MHz	12.1	39.8	18.8	61.7
5800 MHz	19.7	64.7	29.0	95.1
Power (kW) (+25°C Ambient; Sea Level)				
30 MHz	3.86		3.00	
150 MHz	1.73		1.34	
450 MHz	1.00		0.77	
900 MHz	0.70		0.55	
2000 MHz	0.47		0.37	
2500 MHz	0.42		0.33	
5800 MHz	0.28		0.21	



World Headquarters: 358 Hall Avenue, Wallingford, CT 06492 • Tel: 203-949-8400, 1-800-867-2629 Fax: 203-949-8423

International Sales: 4 School Brae, Dysart, Kirkcaldy, Fife, Scotland KY1 2XB UK • Tel: +44(0)1592655428

China: Bld 4, No.318 Yuanshan Road, Shanghai, China 201108 • Tel: 86-21-51761234 Fax: 86-21-64424098

www.timesmicrowave.com