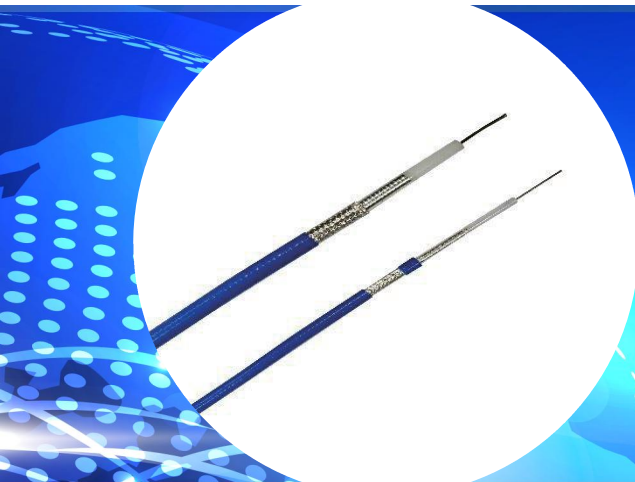


T Series High-Performance Semi-Flex Alternative Flex RF Cable

03



T SERIES: HIGH-PERFORMANCE SEMI-FLEX ALTERNATIVE FLEX RF CABLE

This cable features a solid PTFE dielectric core.Silver-plated copper tape helically wrapped ensures precise phase control.. Silver-plated copper wire braid for enhanced EMI/RFI suppression. FEP jacket improves environmental resistance performance.

Key Advantages vs. Traditional Cables:Phase-stabilized performance.Operates across mid- to high-frequency bands(up to 40 GHz), surpassing traditional semi-flexible cable limitations.

Offers superior durability and extended service life compared to conventional flexible cables, with enhanced cost-effectiveness.

Provides greater design flexibility and easier installation than traditional semi-flexible and semi-rigid cables, while featuring standardized cable dimensions compatible with connectors for both semi-rigid and semi-flexible cable systems.

Typical Applications

- Telecom Infrastructure
- Aerospace & Defense
- Industrial Testing
- High-Reliability Environments

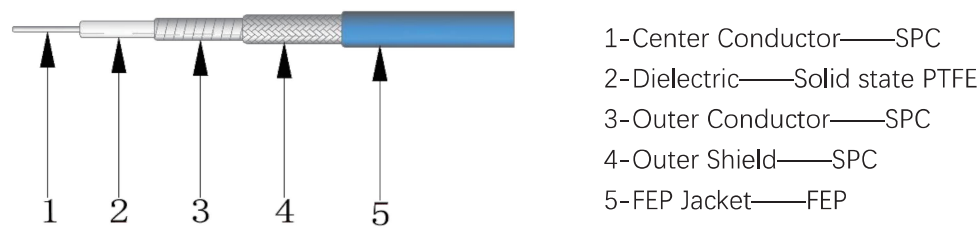
Product Features

- Operating frequency up to 50GHz
- Mechanical Durability
- Phase Stability
- Cost Efficiency

Equivalent Cable Replacement Table

Talent Model	Replacement Model	Replacement Brand
T1	TFLEX-405	TIMES
	MULTIFLEX86	H+S
	MULTIBEND86	HABIA
	SS405	HARBOUR
T2	TFLEX402	TIMES
	MULTIFLEX141	H+S
	MULTIBEND141	HABIA
	SS402	HARBOUR

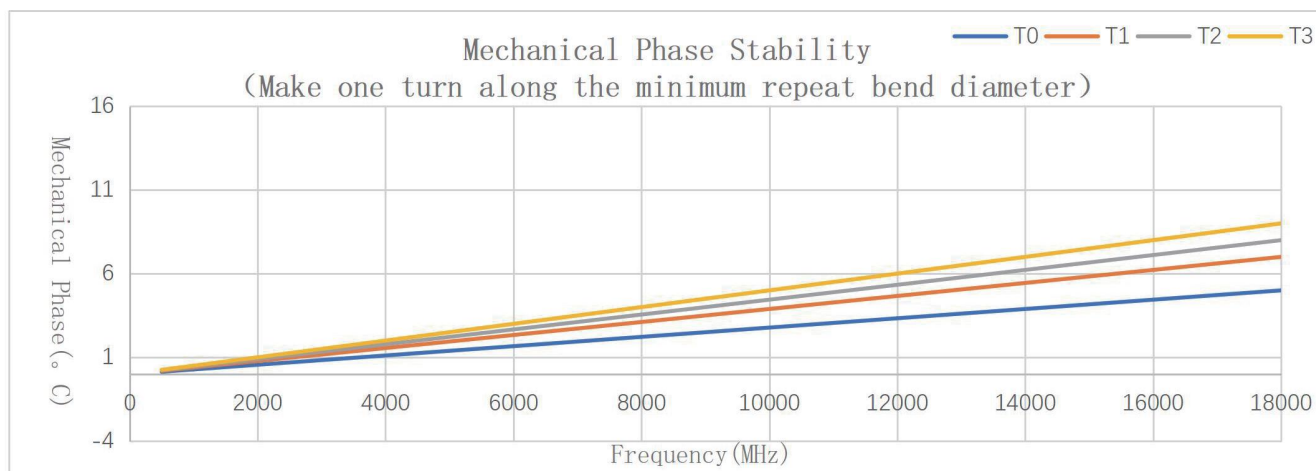
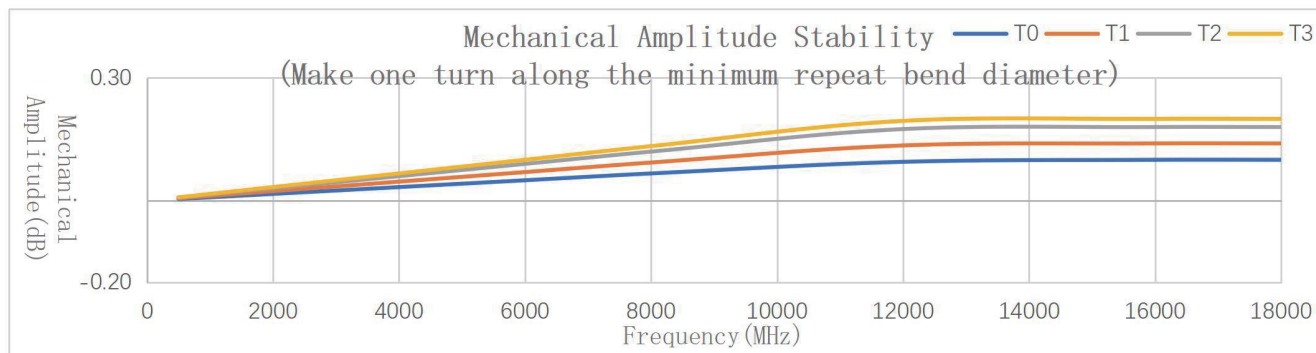
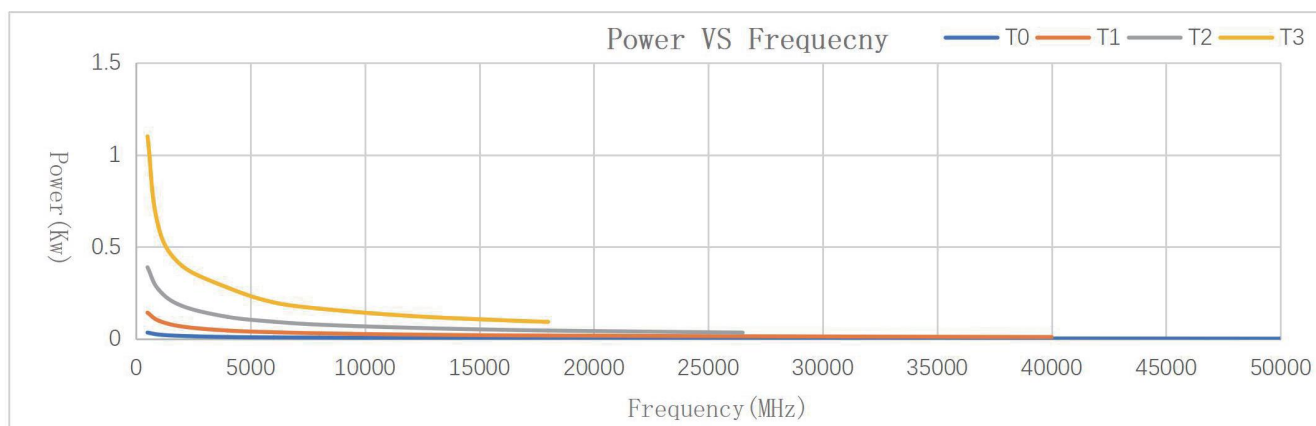
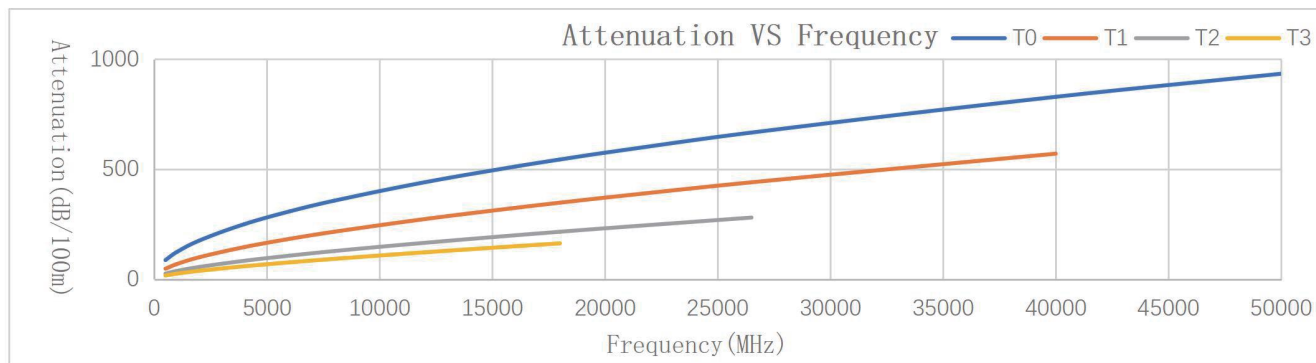




► Cable Specification

Model	T0		T1		T2		T3	
Mechanical Specifications								
Center Conductor	0.29		0.51		0.91		1.65	
Dielectric	0.94		1.65		3.00		5.25	
Inner Shield	1.10		1.85		3.20		5.57	
Outer Shield	1.35		2.23		3.68		6.08	
Jacket	1.60		2.60		4.00		6.50	
Electrical Specifications								
Impedance(Ω)	50		50		50		50	
Velocity of Propagation(%)	70		70		70		70	
Shielding Effectiveness (dB)	< -90		< -90		< -90		< -90	
Time Delay (ns/m)	4.76		4.76		4.76		4.76	
Capacitance (pF/m)	98.3		99.2		95.1		98.0	
Cut-off Frequency(GHz)	110		63		34		19	
Voltage Withstand(V,DC)	450		800		1500		2600	
Static Bending Radius (mm)	8		14		20		33	
Dynamic Bending Radius (mm)	15		28		40		65	
Operating Temperature (°C)	-55~150		-55~150		-55~150		-55~150	
Attenuation(+25°C Ambient)&Power Handling(+40°C Ambient;SeaLevel;VSWR 1:1)								
Frequency (MHz)	dB/100	KW	dB/100m	KW	dB/100m	KW	dB/100m	KW
500	87.41	0.036	48.19	0.144	26.17	0.390	17.37	0.888
1000	124.00	0.025	69.30	0.100	38.17	0.267	25.72	0.600
2000	176.15	0.018	100.31	0.069	56.28	0.181	38.69	0.399
4000	250.67	0.012	146.47	0.047	84.20	0.121	59.32	0.260
6000	308.48	0.010	183.73	0.038	107.46	0.095	76.99	0.200
8000	357.63	0.009	216.06	0.032	128.31	0.080	93.12	0.166
12000	440.95	0.007	273.66	0.025	165.81	0.062	122.72	0.126
16000	512.02	0.006	324.44	0.021	199.91	0.051	150.14	0.103
18000	544.46	0.006	348.17	0.020	216.09	0.047	163.30	0.094
20000	575.28	0.005	371.05	0.019	231.81	0.044		
26500	666.83	0.005	440.80	0.016	280.53	0.036		
40000	829.20	0.004	570.87	0.012				
50000	934.11	0.003						
K1	3.8791178		2.0669291		1.0824		0.688976	
K2	0.0013343		0.003937		0.003937		0.003937	

► Test Data



► Assembly Selection Information

