

ZT Series Test Cable Assembly→→

ZT18P Series Millimeter Wave Test Cable Assembly

ZT18P (DC-18GHz) has multi-layer protectors and stable performance, such as low loss and stable phase. It's an ideal product applied in components, assembly workshop, lab test and automation equipment.



Cable Structure

- 1.Center Contact: silver plated copper wire
- 2.Dielectric: LDPTFE
- 3.Inner Shield: silver plated flat copper wire braid
- 4.Middle Shield: LDPTFE
- 5.Outer Shield: silver plated copper wire braid
- 6.Jacket: FEP
- 7.Inner Jacket: round stainless spring wire
- 8.Strengthened Shield: tin plated copper wire
- 9.Anti-twist Layer: PTFE wrapping tape
- 10.Outer Armor: PTFE fiber filament (purple+black)
or PTFE braid



Physical Characteristics						
Armor Outer Dia.	7.9 mm		0.311 inch		Durability	>5000
Weight	0.135kg/m				Working Temp.	-55℃~+125℃
Min Bending Radius	(dynamic 50.0mm), (static 25.0mm)				Armor Stress Tolerance	180N/25mm
Electrical Characteristics						
VSWR Max		3GHz	6GHz	18GHz	Impedance	50 ohms
	SMA	1.10:1	1.15:1	1.25:1	Velocity	83%
	N	1.10:1	1.15:1	1.25:1	Screening Effectiveness	>90 dB
	TNC	1.10:1	1.15:1	1.30:1	Bending Amplitude Stability	≤±0.03dB@18GHz
Capacitance	24.3pf/ft=80pf/m				Bending Phase Stability	≤±2.4° @18GHz
Attenuation and Power handling						
	Attenuation(25℃)			Power handling@25℃&Sea Level(cable only)		
Frequency (MHz)	dB/100ft		dB/100m		Watts	
300	4.99		16.4		1519	
500	6.49		21.3		1171	
1000	9.27		30.4		821	
3000	16.40		53.8		464	
6000	23.65		77.6		321	
10000	31.15		102.2		244	
12000	34.69		113.8		221	
18000	43.07		141.3		177	
26500	53.52		175.6		142	