

ZT Series Test Cable Assembly→→

ZT50P Series Millimeter Wave Test Cable Assembly

ZT50P (DC-50GHz) has multi-structure protection and stable performance, such as low loss and stable phase.



Cable Structure

1. **Center Contact:** silver plated copper
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:** flat stainless spring tube
8. **Strengthened Shield:** tin plated copper wire
9. **Anti-twist Layer:** PTFE wrapping tape
10. **Outer Jacket:** PTFE fiber filament (purple+black)
or PTFE braid



Physical Characteristics							
Jacket Outer Dia.	5.80 mm		0.228 inch		Durability	>5000	
Weight	0.042kg/m				Working Temp.	-55°C ~ +125°C	
Min Bending Radius	36.0mm				Jacket Stress Tolerance	100N/25mm	
Electrical Characteristics							
VSWR Max	Connector	18GHz	26.5GHz	40GHz	50GHz	Dielectric Withstand Voltage	500V, DC
	2.92mm	1.25:1	1.30:1	1.30	--	Velocity	76%
	2.4mm	1.25:1	1.30:1	1.30	1.35	Screening Effectiveness	>90 dB
Impedance	50 ohms				Bending Amplitude Stability	±0.05dB@50GHz	
Capacitance	27pf/ft=88pf/m				Bending Phase Stability	≤±5° @50GHz	
Attenuation and Power handling@25°C and Sea Level							
	Attenuation (25°C)			Power handling@25°C&Sea Level			
Frequency (MHz)	dB/100ft		dB/100m		Watts		
300	13.4		23.9		580		
500	23.3		30.9		420		
1000	33.2		43.8		250		
3000	43.1		76.4		140		
6000	48.2		108.8		130		
12000	58.5		158.1		80		
18000	71.6		191.8		72		
26500	88.9		234.8		66		
40000	13.4		291.7		60		
50000	23.3		328.5		56		