

ZT Series Test Cable Assembly → →

ZT26P Series Millimeter Wave Test Cable Assembly

ZT26P (DC-26.5GHz) has three-layer shield and stable performance, such as low loss and stable phase. It's an ideal product applied in components, assembly workshop, test lab and automation equipment.



Cable Structure

1. **Center Contact:** silver plated copper wire
2. **Dielectric:** PTFE
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.	7.6 mm	0.301 inch	Durability	>5000		
Weight	0.05kg/m		Working Temp.	-55°C~+125°C		
Min Bending Radius	(dynamic 46.0mm), (static 18.0mm)		Armor Stress Tolerance	160N/25mm		
Electrical Characteristics						
VSWR Max		6GHz	18GHz	26.5GHz	Impedance	50 ohms
	SMA/3.5mm	1.15:1	1.25:1	1.30:1	Velocity	76%
	N	1.15:1	1.25:1	---	Screening Effectiveness	>90 dB
	TNC	1.15:1	1.30:1	---	Bending Amplitude Stability	≤±0.03dB@26.5GHz
Capacitance	27pf/ft=88pf/m			Bending Phase Stability	≤±2.7° @26.5GHz	
Attenuation and Power handling						
	Attenuation(25°C)			Power handling@25°C&Sea Level(cable only)		
Frequency (MHz)	dB/100ft		dB/100m		Watts	
300	6.25		20.5		927	
500	8.08		26.5		717	
1000	11.46		37.6		505	
3000	19.99		65.6		289	
6000	28.53		93.6		203	
10000	37.12		121.8		156	
12000	41.27		135.4		137	
18000	50.41		165.4		115	
26500	61.81		202.8		94	