

ZT Series Test Cable Assembly →→

ZT40P Series Millimeter Wave Test Cable Assembly

ZT40P (DC-40GHz) 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:** round stainless spring wire
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	0.046kg/m				Working Temp.	-55°C~+125°C	
Min Bending Radius	38.0mm				Jacket Stress Tolerance	100N/25mm	
Electrical Characteristics							
VSWR Max	Connector	18GHz	26.5GHz	40GHz		Dielectric Withstand Voltage	500V, DC
	2.92mm	1.25:1	1.30:1	1.30:1		Velocity	83%
	2.4mm	1.25:1	1.30:1	1.30:1		Screening Effectiveness	>90 dB
Impedance	50 ohms				Phase stable	±0.04dB@40GHz	
Capacitance	27pf/ft=88pf/m				Bending Phase	≤±4° @40GHz	
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		
1000	11.4		37.5		509		
3000	20.0		65.7		291		
6000	28.6		93.8		203		
10000	37.3		122.4		156		
12000	41.4		135.8		141		
18000	50.8		166.7		115		
26500	62.4		204.8		93		
40000	77.7		254.8		75		