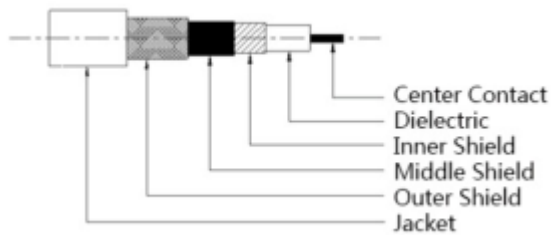


ZT Series Test Cable Assembly → →

ZT50 Series Millimeter Wave Test

Cable Assembly

ZT50 (DC-50GHz), millimeter wave ultra flexible test cable assembly, has three-layer shield 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

Center Contact: silver plated copper wire

Dielectric: LD PTFE

Inner Shield: silver plated flat copper wire braid

Middle Shield: LD PTFE

Outer Shield: silver plated copper wire braid

Jacket: FEP



Physical Characteristics					
Specification	mm	inch			
Center Contact	0.72	0.028			
Dielectric	2.21	0.087			
Inner Shield	2.38	0.094			
Middle Shield	2.68	0.106			
Outer Shield	3.14	0.124			
Jacket	3.60	0.142			
Weight	0.034kg/m				
Min Bending Radius	(dynamic36.0mm), (static14.4mm)				
Durability	>5000				
Working Temp.	-55°C~+125°C				
Electrical Characteristics					
VSWR Max		18GHz	26.5GHz	40GHz	50GHz
	2.92mm	1.25:1	1.30:1	1.30:1	--
	2.4mm	1.25:1	1.30:1	1.30:1	1.35:1
Impedance	50 ohms				
Velocity	76%				
Screening Effectiveness	>90 dB				
Bending Amplitude Stability	≤ ±0.05dB@50GHz				
Bending Phase Stability	≤ ±5° @50GHz				
Attenuation(25°C)					
Frequency (MHz)	dB/100ft		dB/100m		
1000	13.4		43.8		
3000	23.3		76.4		
6000	33.2		108.8		
12000	48.2		158.1		
18000	58.5		191.8		
26500	71.6		234.8		
40000	88.9		291.7		
50000	100.2		328.5		
Power handling@25°C&Sea Level(cable only)					
Frequency (MHz)	Watts				
1000	250				
3000	140				
6000	130				
12000	80				
18000	72				
26500	66				
40000	60				
50000	56				