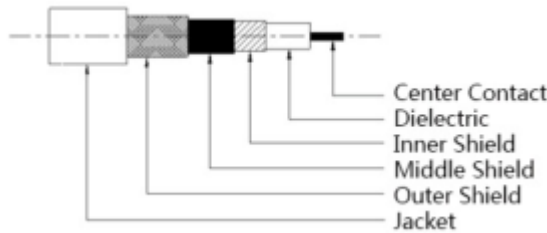


ZT Series Test Cable Assembly → →

ZT40 Series Millimeter Wave Test Cable Assembly

ZT40 (DC-40GHz) is millimeter wave test cable assembly with stable performance, such as low loss and stable phase. It's an ideal product applied in components test, Point to Point Tunneling Protocol, test lab and millimeter wave test.



Cable Structure:

Center Contact: silver plated copper wire

Dielectric: LDPTFE

Inner Shield: silver plated flat copper wire braid

Middle Shield: LDPTFE

Outer Shield: silver plated copper wire braid

Jacket: FEP

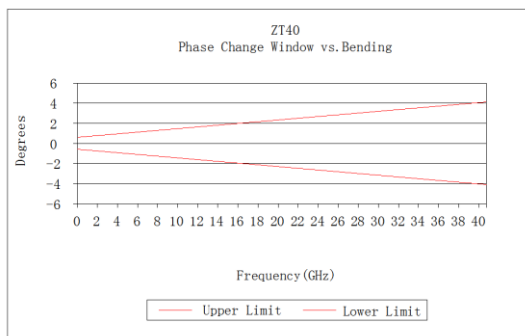
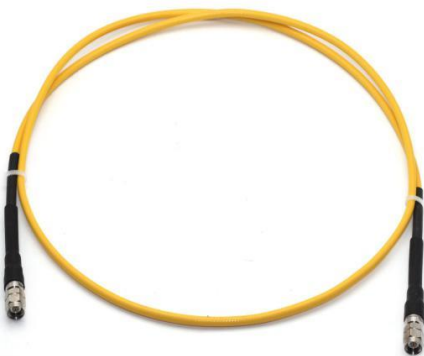


Fig 6 ZT40 Phase Change vs. Bending

Physical Characteristics				
Specification	mm	inch		
Center Contact	0.92	0.036		
Dielectric	2.50	0.098		
Inner Shield	2.66	0.105		
Middle Shield	2.95	0.116		
Outer Shield	3.36	0.132		
Jacket	3.80	0.150		
Weight	0.033kg/m			
Min Bending Radius	(dynamic38.0mm), (static14.4mm)			
Durability	>5000			
Working Temp.	-55°C ~ +165°C			
Electrical Characteristics				
VSWR Max		18GHz	26.5GHz	40GHz
	2.92 mm	1.25:1	1.30:1	1.30:1
	2.4 mm	1.25:1	1.30:1	1.30:1
Impedance	50 ohms			
Velocity	83%			
Screening Effectiveness	>90 dB			
Bending Amplitude Stability	≤ ±0.04dB@40GHz			
Bending Phase Stability	≤ ±4° @40GHz			
Attenuation (25°C)				
Frequency (MHz)	dB/100ft		dB/100m	
1000	11.4		37.5	
3000	20.0		65.7	
6000	28.6		93.8	
10000	37.3		122.4	
12000	41.4		135.8	
18000	50.8		166.7	
26500	62.4		204.8	
40000	77.7		254.8	
Power handling@25°C&Sea Level(cable only)				
Frequency (MHz)	Watts			
1000	509			
3000	291			
6000	203			
10000	156			
12000	141			
18000	115			
26500	93			
40000	75			