

ZUT26 Series Test Cable, Up To 26.5 GHz

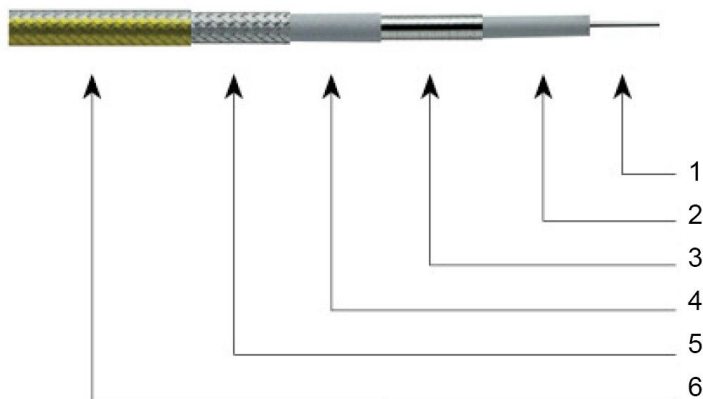
Applications:

- Laboratory test and measurement
- Production line testing
- Field test and measurement

Key Features:

- High stability
- 100% tested for reliability
- Superior electrical Characteristic
- Precision connectors
- Extended mating cycles
- Heat-resistant and flame-retardant design
- Armoured jacket available

Covers DC-26.5GHz, featuring excellent amplitude and Phase Stability, flexibility, and long service life. The test cable assemblies are equipped with reinforced precision connectors and are widely used in laboratory testing, production line testing, mobile base station testing, and other RF applications.



Cable Construction		
No		Material & Surface Finish
1	Conduct:	Silver plated cooper wire
2	Insulator:	LD-PTFE
3	Inner Braiding:	Silver plated cooper ribbon
4	Interlayer	LD-PTFE
5	Outer Braiding:	Silver plated cooper braiding
6	Jacket Jacket:	FEP
Mechanical Characteristic		
Dimension		Inch
		mm

Conduct	1.02	0.040	
Insulator	3.07	0.121	
Inner Braiding	3.27	0.129	
Interlayer	3.57	0.141	
Outer Braiding	3.97	0.156	
Jacket	4.60	0.181	
Weight	0.051kg/m		
Minimum Bending Radius	(Dynamic 50.0mm) , (Static 25.0mm)		
Cycle	> 5000		
Temperature Range	-55°C~ +125°C		
Electrical Characteristic			
	6GHz	18GHz	26.5GHz
Maximum VSWR	3.5mm 1.15:1	1.20:1	1.25:1
	SMA 1.15:1	1.25:1	1.30:1
	N/TNC 1.15:1	1.25/1.30:1	
Impedance	50Ω		
Velocity Propagation	76%		
Shielding Efficiency	> 90 dB		
Amplitude Stability	< ±0.03dB@26.5GHz		
Phase Stability	< ±2.7° @26.5GHz		

Attenuation (25°C)		
Frequency (MHz)	dB/100ft	dB/100m
1000	9.97	32.71
3000	17.50	57.42
6000	25.07	82.26
10000	32.78	107.54
12000	36.10	118.43
18000	44.81	147.02
26500	55.22	181.08
Average power (25°C, sea level, only cable)		
Frequency (GHz)	Watts	

1000	430
3000	237
6000	160
10000	119
12000	107
18000	84
26500	66