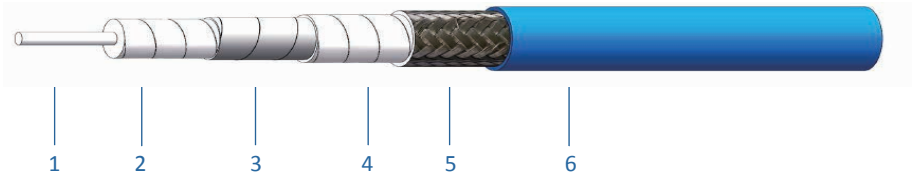
ZJL series stable amplitude and phase test cable



Data \ Type	ZJL40		ZJL45		ZJL50		ZJL52	
Structure								
Specification	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material
1-Material	1.02	Silver plated copper	0.91	Silver plated copper	1.44	Silver plated copper	1.30	Silver plated copper
2-Dielectric	2.80	Low density PTFE	2.65	Low density PTFE	3.85	Low density PTFE	3.85	Low density PTFE
3-Inner shielding	2.95	Silver plated copper strip	2.85	Silver plated copper strip	4.05	Silver plated copper strip	4.02	Silver plated copper strip
4-Intermediate	3.20	Low density PTFE	3.09	PTFE	4.30	Low density PTFE	4.30	Low density PTFE
5-Outer shielding	3.62	Silver plated copper wire	3.54	Silver plated copper wire	4.65	Silver plated copper wire	4.83	Silver plated copper wire
6-Sheath	4.20	Blue FEP	4.85	Transparent FEP	5.10	Blue FEP	5.20	FEP Violet
Mechanical and environmental performance								
Static bending radius(mm)	21.00		19.40		25.00		26.00	
Dynamic bending radius(mm)	42.00		35.45		50.00		52.00	
Weight(Kg/m)	0.04		0.04		0.055		0.068	
Temperature, install and use (°C)	-55~165		-55~225		-55~165		-55~200	
Electrical performance								
Working frequency(GHz)	40		26.5		26.5		18	
Cut-off frequency(GHz)	41		43		29		28	
OHM(Ohms)	50		50		50		50	
VOP	81%		76%		82%		76%	
Shielding efficiency(dB)	>90		>100		>90		>90	
Withstand voltage medium(V,DC)	500		500		2000		1000	
Attenuation value (typical value at 25 ° C) and transmission power value (typical value at 40 ° C)								
Frequency MHz	dB/100 m	Average power KW	dB/100 m	Average power KW	dB/100 m	Average power KW	dB/100 m	Average power KW
1000	40.5	0.567	39.44	0.505	27.1	0.821	27.7	0.750
2000	57.6	0.399	56.05	0.355	38.9	0.573	39.5	0.526
3000	70.8	0.325	68.90	0.289	48.1	0.463	48.7	0.426
6000	100.8	0.228	98.25	0.203	69.6	0.320	69.9	0.297
8000	116.9	0.197	113.94	0.175	81.3	0.274	81.3	0.255
10000	131.2	0.175	127.88	0.156	91.9	0.242	91.5	0.227
12000	144.2	0.159	140.57	0.142	101.6	0.219	100.9	0.206
12400	146.6	0.157	142.98	0.139	103.5	0.215	102.7	0.202
15000	161.9	0.142	157.89	0.126	115.0	0.194	113.7	0.182
16000	167.4	0.137	163.30	0.122	119.2	0.187	117.8	0.176
18000	178.0	0.129	173.68	0.115	127.4	0.175	125.5	0.165
26500	218.0	0.105	212.89	0.094	158.8	0.140	—	—
40000	271.2	0.085	—	—	—	—	—	—
K1	1.267795		1.232579		0.828800		0.856234	
K2	0.000440		0.000462		0.000900		0.000591	
Attenuation of other frequency points	K1*√FMhz+K2*FMHz							