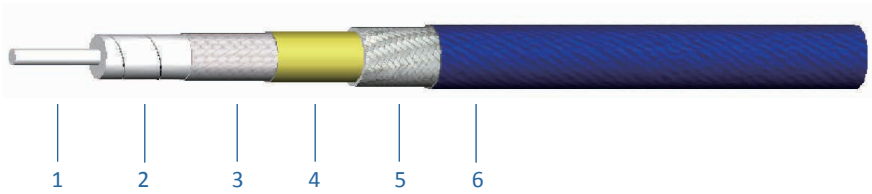
ZJJ series high power low loss test cable



Data / Type	ZJJ80		ZJJ100		ZJJ120		ZJJ150	
Structure								
Specification	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material
1-Material	2.06	Silver plated copper	2.44	Silver plated copper	3.50	Silver plated copper	4.40	Silver plated copper
2-Dielectric	5.89	Low density PTFE	7.24	Low density PTFE	9.90	Low density PTFE	12.50	Low density PTFE
3-Inner shielding	6.05	Silver plated copper strip	7.48	Silver plated copper strip	10.17	Silver plated copper strip	12.82	Silver plated copper strip
4-Intermediate	6.17	High temperature aluminum foil	7.61	High temperature aluminum foil	10.30	High temperature aluminum foil	12.95	High temperature aluminum foil
5-Outer shielding	6.81	Silver plated copper wire	8.19	Silver plated copper wire	11.02	Silver plated copper wire	13.67	Silver plated copper wire
6-Sheath	7.62	Blue FEP	9.30	Blue FEP	12.00	Blue FEP	14.70	Blue FEP
Mechanical and environmental performance								
Static bending radius(mm)	38.00		51.00		60.00		76.00	
Dynamic bending radius(mm)	76.00		100.00		120.00		150.00	
Weight(Kg/m)	0.130		0.193		0.300		0.432	
Temperature, install and use (°C)	-55~200		-55~200		-55~200		-55~200	
Electrical performance								
Working frequency(GHz)	18		10		10		6	
Cut-off frequency(GHz)	19		15		11		8	
OHM(Ohms)	50		50		50		50	
VOP	78%		76%		76%		76%	
Shielding efficiency(dB)	>90		>90		>90		>90	
Withstand voltage medium(V,DC)	2000		2500		3000		4000	
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	17.6	1.530	14.7	1.839	13.0	2.590	10.2	4.080
2000	25.2	1.098	21.1	1.279	18.7	1.797	14.8	2.818
3000	31.2	0.887	26.2	1.031	23.3	1.446	18.4	2.260
4000	36.3	0.762	30.6	0.883	27.2	1.238	21.6	1.929
5000	40.9	0.676	34.5	0.783	30.7	1.096	24.5	1.703
6000	45.1	0.613	38.2	0.709	33.9	0.991	27.1	1.537
7000	49.0	0.564	41.5	0.651	37.0	0.910	—	—
8000	52.7	0.524	44.7	0.605	39.8	0.844	—	—
9000	56.2	0.492	47.7	0.567	42.6	0.790	—	—
10000	59.5	0.464	50.6	0.534	45.2	0.745	—	—
12400	67.1	0.412	—	—	—	—	—	—
16000	77.3	0.358	—	—	—	—	—	—
18000	82.6	0.335	—	—	—	—	—	—
K1	0.536417		0.446080		0.391680		0.304208	
K2	0.000591		0.000600		0.000600		0.000591	
Attenuation of other frequency points	$K1*\sqrt{FMhz}+K2*FMHz$							