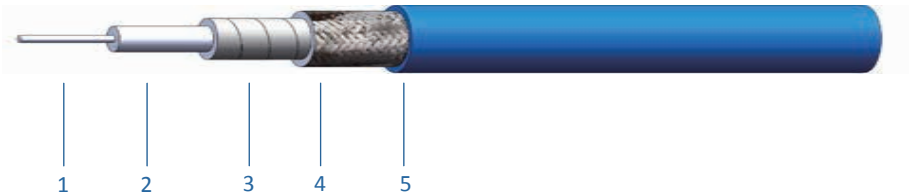
ZJG series low loss ultra flexible cable



Data \ Type	ZJG36		ZJG50		ZJG60		ZJG80	
Structure								
Specification	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material
1-Material	0.72	Silver plated copper	1.02	Silver plated copper	1.44	Silver plated copper	1.88	Multi core silver plated copper
2-Dielectric	2.05	Low density PTFE	3.00	Low density PTFE	4.15	Low density PTFE	5.50	Low density PTFE
3-Inner shielding	2.22	Silver plated copper strip	3.20	Silver plated copper strip	4.35	Silver plated copper strip	5.74	Silver plated copper strip
4-Outer shielding	2.66	Silver plated copper wire	3.78	Silver plated copper wire	4.80	Silver plated copper wire	6.31	Silver plated copper wire
5-Sheath	3.60	Blue PUR or customized	5.00	Blue PUR or customized	6.00	Black PUR or customized	8.00	Blue PUR or customized
Mechanical and environmental performance								
Static bending radius(mm)	18.00		25.00		30.00		40.00	
Dynamic bending radius(mm)	36.00		50.00		60.00		80.00	
Weight(Kg/m)	0.027		0.051		0.072		0.116	
Temperature, install and use (°C)	-55~85		-55~85		-55~85		-55~85	
Electrical performance								
Working frequency(GHz)	40		26.5		26.5		18	
Cut-off frequency(GHz)	51		35		29.5		20	
OHM(Ohms)	50		50		50		50	
VOP	76%		76%		76%		76%	
Shielding efficiency(dB)	>90		>90		>90		>90	
Withstand voltage medium(V,DC)	500		1000		1700		1700	
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	51.9	0.119	38.5	0.149	28.7	0.175	18.2	0.327
2000	74.4	0.083	55.9	0.103	41.2	0.122	26.7	0.222
3000	92.1	0.067	69.8	0.082	50.9	0.099	33.8	0.176
6000	133.4	0.046	103.2	0.056	73.6	0.068	50.9	0.117
8000	156.0	0.040	121.9	0.047	86.0	0.059	60.7	0.098
10000	176.4	0.035	139.0	0.041	97.1	0.052	69.8	0.085
12400	198.7	0.031	157.9	0.036	109.2	0.046	80.0	0.074
18000	244.9	0.025	198.0	0.029	134.3	0.037	101.9	0.058
26500	305.5	0.020	252.1	0.023	167.2	0.030	—	—
40000	388.8	0.016	—	—	—	—	—	—
K1	1.582929		1.136600		0.880600		0.517315	
K2	0.001806		0.002530		0.000900		0.001806	
Attenuation of other frequency points	K1*√FMhz+K2*FMHz							