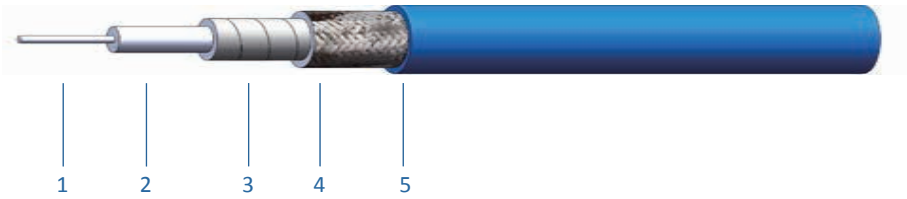
ZJF series economical low loss cable



Data / Type	ZJF36		ZJF50		ZJF80	
Structure						
Specification	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material
1-Material	0.91	Silver plated copper	1.45	Silver plated copper	2.30	Silver plated copper
2-Dielectric	2.65	Low density PTFE	4.20	Low density PTFE	6.80	Low density PTFE
3-Inner shielding	2.78	Self adhesive aluminum foil	4.32	Self adhesive aluminum foil	6.95	Self adhesive aluminum foil
4-Outer shielding	3.15	Silver plated copper wire	4.65	Silver plated copper wire	7.50	Silver plated copper wire
5-Sheath	3.60	Blue FEP	5.20	Blue FEP	8.10	Blue FEP
Mechanical and environmental performance						
Static bending radius(mm)	18.00		25.00		40.00	
Dynamic bending radius(mm)	36.00		51.00		81.00	
Weight(Kg/m)	0.029		0.054		0.134	
Temperature, install and use (°C)	-55~125		-55~125		-55~125	
Electrical performance						
Working frequency(GHz)	18		18		18	
Cut-off frequency(GHz)	40		28		19	
OHM(Ohms)	50		50		50	
VOP	76%		76%		76%	
Shielding efficiency(dB)	>70		>70		>90	
Withstand voltage medium(V,DC)	1000		1500		2000	
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
1000	38.7	0.462	23.8	0.766	15.1	1.471
2000	55.0	0.325	34.3	0.532	21.8	1.015
3000	67.7	0.264	42.6	0.428	27.2	0.814
6000	96.9	0.184	62.1	0.293	40.1	0.553
8000	112.5	0.159	72.9	0.250	47.3	0.469
10000	126.4	0.141	82.7	0.220	53.8	0.412
12400	141.5	0.126	93.4	0.195	61.0	0.363
16000	161.91	0.110	108.2	0.168	71.0	0.312
18000	172.3	0.104	115.9	0.157	76.3	0.291
K1	1.204032		0.718000		0.448000	
K2	0.000600		0.001088		0.000898	
Attenuation of other frequency points	$K1^*\sqrt{FMhz}+K2^*FMHz$					