ZJA series interconnection flexible cable

Data \ Type	ZJA047		ZJA086		ZJA141		ZJA250	
Structure								
Specification	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material	Size(mm)	Material
1-Material	0.30	Silver plated copper	0.53	Silver plated copper	0.94	Silver plated copper	1.63	Silver plated copper
2-Dielectric	0.95	PTFE	1.63	PTFE	3.00	PTFE	5.30	PTFE
3-Inner shielding	1.07	Silver plated copper strip	1.83	Silver plated copper strip	3.20	Silver plated copper strip	5.55	Silver plated copper strip
4-Outer shielding	1.25	Silver plated copper wire	2.18	Silver plated copper wire	3.55	Silver plated copper wire	6.17	Silver plated copper wire
5-Sheath	1.45	Bule FEP	2.65	Bule FEP	4.00	Bule FEP	7.00	Bule FEP
Mechanical and environmental performance								
Static bending radius(mm)	6.00		13.00		20.00		35.00	
Dynamic bending radius(mm)	16.00		26.00		40.00		70.00	
Weight(Kg/m)	0.006		0.020		0.041		0.118	
Temperature, install and use (°C)	-55~125		-55~125		-55~125		-55~125	
Electrical performance								
Working frequency(GHz)	26.5		26.5		26.5		18	
Cut-off frequency(GHz)	110		61		34		19	
OHM(Ohms)	50		50		50		50	
VOP	70%		70%		70%		70%	
Shielding efficiency(dB)	>90		>90		>90		>90	
Withstand voltage medium(V,DC)	300		500		1500		3000	
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	135.2	0.082	62.8	0.119	37.6	0.290	25.7	0.561
2000	191.6	0.058	91.1	0.082	55.1	0.198	38.7	0.373
3000	235.1	0.047	113.7	0.066	69.3	0.157	49.5	0.291
6000	334.0	0.033	167.7	0.045	103.9	0.105	77.0	0.187
8000	386.5	0.029	197.9	0.038	123.5	0.088	93.1	0.155
10000	433.0	0.026	225.4	0.033	141.6	0.077	108.3	0.133
12400	483.2	0.023	256.0	0.029	161.9	0.067	125.5	0.155
18000	584.7	0.019	320.4	0.023	205.3	0.053	163.3	0.088
26500	713.3	0.016	407.2	0.018	264.7	0.041	—	—
K1	4.248276		1.860236		1.082677		0.688976	
K2	0.000820		0.003937		0.003337		0.003937	
Attenuation of other frequency points	$K1*\sqrt{FMhz}+K2*FMHz$							