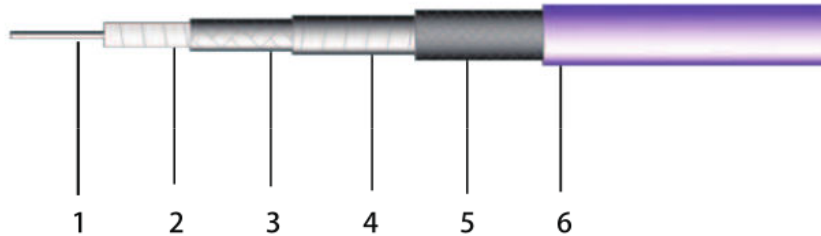


MIB-360

High strength Phase RF Flexible cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	0.91	Silver Plated Copper
2.Dielectric	2.72	PTFE
3.Outer Conductor	2.79	Flat Silver Plated Copper Wrap
4.Interlayer	2.95	Silver Plated Copper
5.Out shielding	3.20	Stainless Steel Wire
6.Jacket	3.61	FEP

Electrical Characteristics

Frequency(GHz)	DC to 26.5GHz
Impedance	50Ohm
Velocity(%)	76%
Shielding Efficiency(dB)	>90
Dielectric Constant	1.73
Voltage Withstanding(V)	1500 DC
Peak Power	5.63kw
Delay	4.38 nS/m
Capacitance	87.7 pF/m
Inductance	0.20 uH/m

Mechanical Characteristics

Min.Bending Radius Static(mm)	8.4
Min.Bending Radius with Repeat (mm)	36
Weight (g/m)	31
Operating Temp.(°C)	-55 to 165

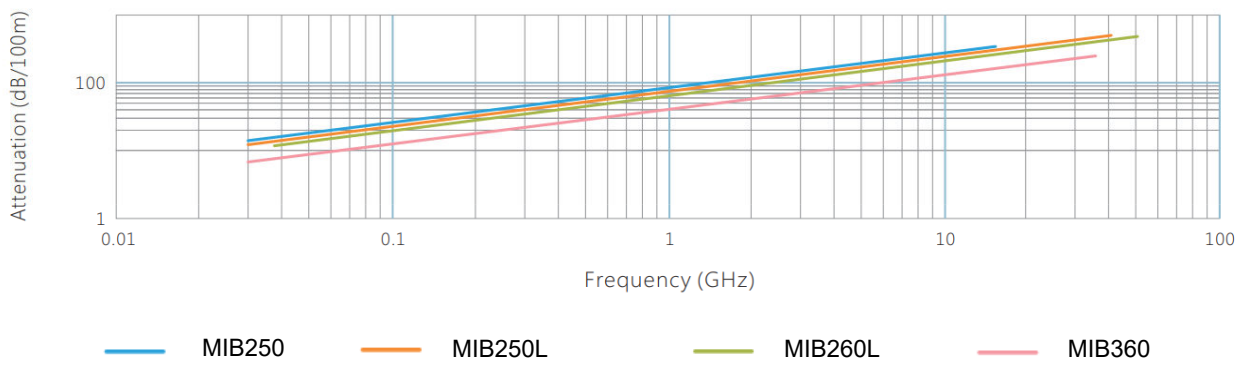
Attenuation (@25°C&VSWR=1.0) and average power (@40°C&One standard atmosphere)

Frequency (MHz)	Attenuation (dB/100M)	Attenuation (dB/100F)	Average Power(KW)
30	6.80	2.07	2.027
50	8.79	2.68	1.569
100	12.45	3.79	1.108
300	21.64	6.60	0.637
500	28.01	8.54	0.492
900	37.73	11.50	0.365
1000	39.80	12.13	0.346
1500	48.93	14.92	0.282
2000	56.67	17.28	0.243
3000	69.76	21.27	0.198
4000	80.90	24.67	0.170
5000	90.79	27.68	0.152
6000	99.80	30.43	0.138
8000	115.94	35.35	0.119
10000	130.31	39.73	0.106
12000	143.42	43.73	0.096
12400	145.92	44.49	0.094
13500	152.62	46.53	0.090
15000	161.38	49.20	0.085
18000	177.80	54.21	0.078
24000	188.09	57.34	0.073
26500	218.77	66.70	0.063

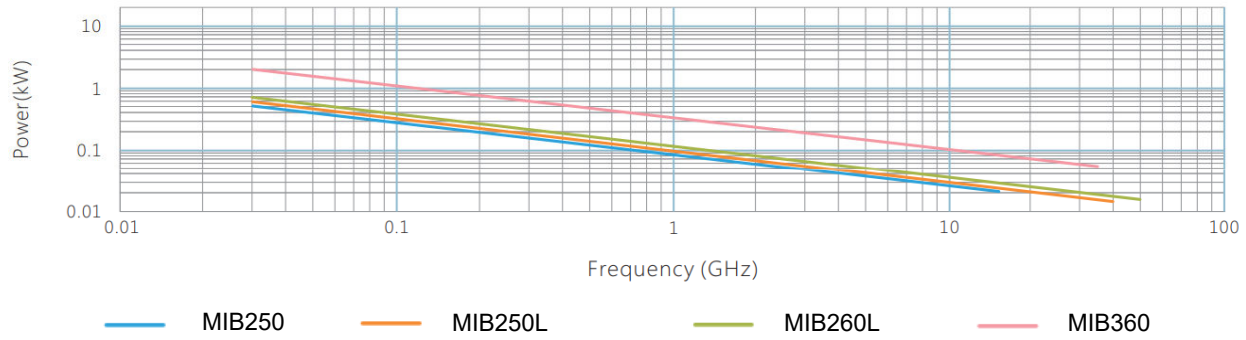
Note: K1=2.5808091, K2=0.0013000 Formulas: dB100 m =K1* √ FMhz+K2*FMHz

Test Data

Frequency & Attenuation

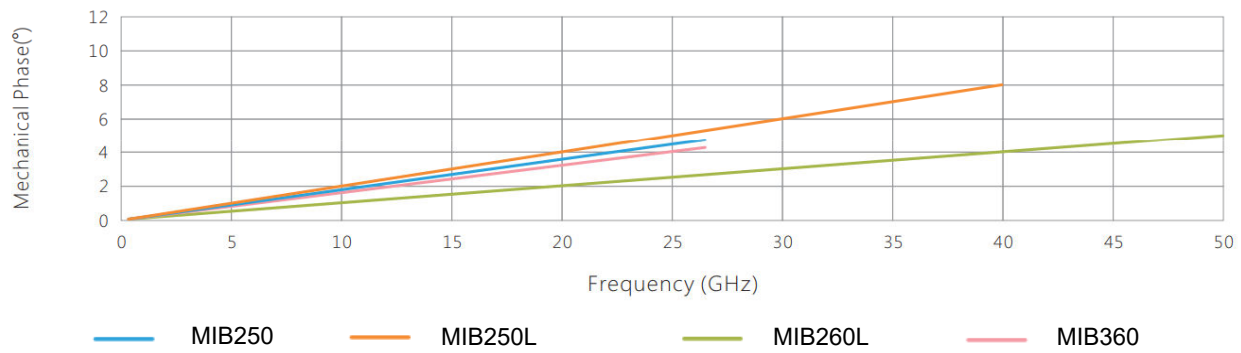


Frequency & Power



Mechanical Phase Stability

(Rotate for one cycle along the minimum repeated bending diameter)



Mechanical Amplitude Stability

(Rotate for one cycle along the minimum repeated bending diameter)

