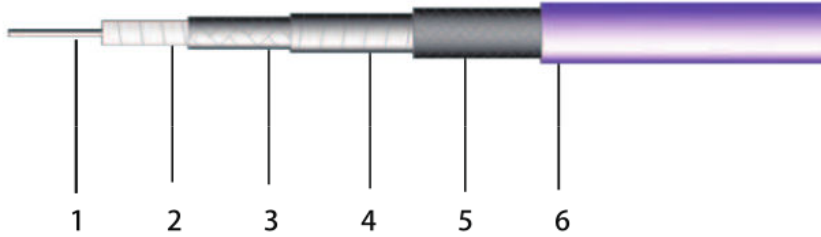


MIB-260L



High strength Phase RF Flexible cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	0.56	Silver Plated Copper
2.Dielectric	1.70	PTFE
3.Outer Conductor	1.85	Flat Silver Plated Copper Wrap
4.Interlayer	1.98	Silver Plated Copper
5.Out shielding	2.24	Stainless Steel Wire
6.Jacket	2.64	FEP

Electrical Characteristics

Frequency(GHz)	DC to 50GHz
Impedance	50Ohm
Velocity(%)	76%
Shielding Efficiency(dB)	>90
Capacitance(Pf/M)	95
Cutoff Frequency(GHz)	61GHz
Voltage Withstanding(V)	500 DC
Peak Power	0.6kw
Delay	4.38 nS/m
Capacitance	87.7 pF/m
Inductance	0.22 uH/m

Mechanical Characteristics

Min.Bending Radius Static(mm)	10.56
Min.Bending Radius with Repeat (mm)	26.4
Weight (g/m)	17
Operating Temp.(°C)	-55 to 165

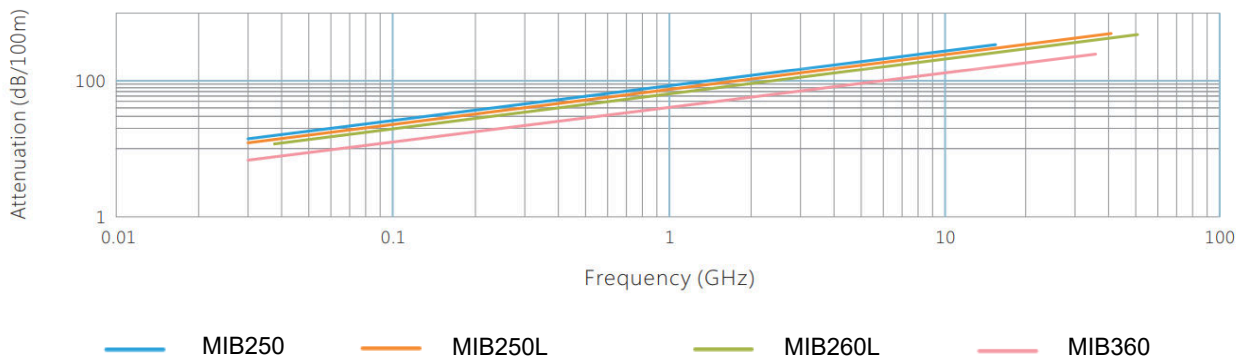
Attenuation (@25°C&VSWR=1.0) and average power (@40°C&One standard atmosphere)

Frequency (MHz)	Attenuation (dB/100M)	Attenuation (dB/100F)	Average Power(KW)
30	10.23	3.12	0.606
50	13.22	4.03	0.469
100	18.73	5.71	0.331
300	32.61	9.94	0.190
500	42.24	12.88	0.147
900	56.97	17.37	0.109
1000	60.12	18.33	0.103
1500	73.99	22.56	0.084
2000	85.78	26.15	0.072
3000	105.78	32.25	0.059
4000	122.84	37.45	0.050
5000	138.02	42.08	0.045
6000	151.87	46.30	0.041
8000	176.76	53.89	0.035
10000	199.00	60.67	0.031
12000	219.35	66.88	0.028
12400	223.24	68.06	0.028
13500	233.66	71.24	0.027
15000	247.30	75.40	0.025
18000	272.95	83.21	0.023
24000	289.04	88.12	0.021
26500	337.24	102.82	0.018
35000	393.47	119.86	0.016
40000	424.00	129.27	0.015
50000	480.91	146.62	0.013

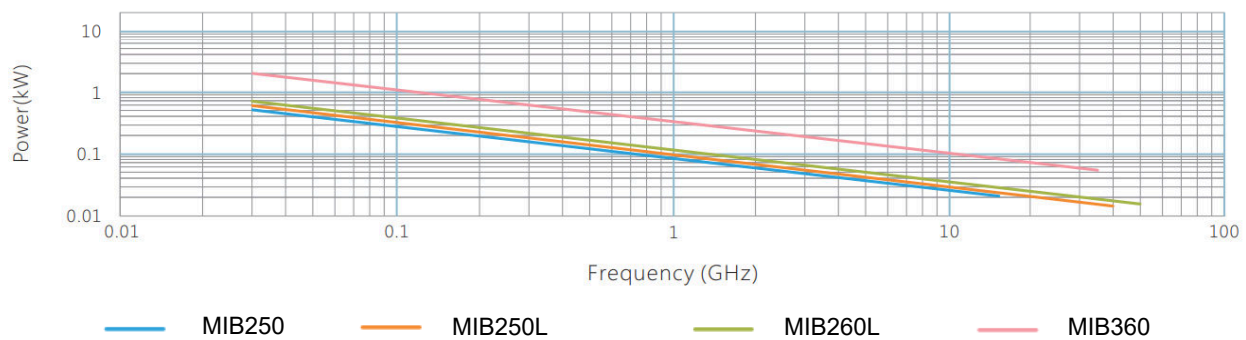
Note: K1=2.5808091, K2=0.0013000 Formulas: dB100 m =K1* √ FMHz+K2*FMHz

Test Data

Frequency & Attenuation

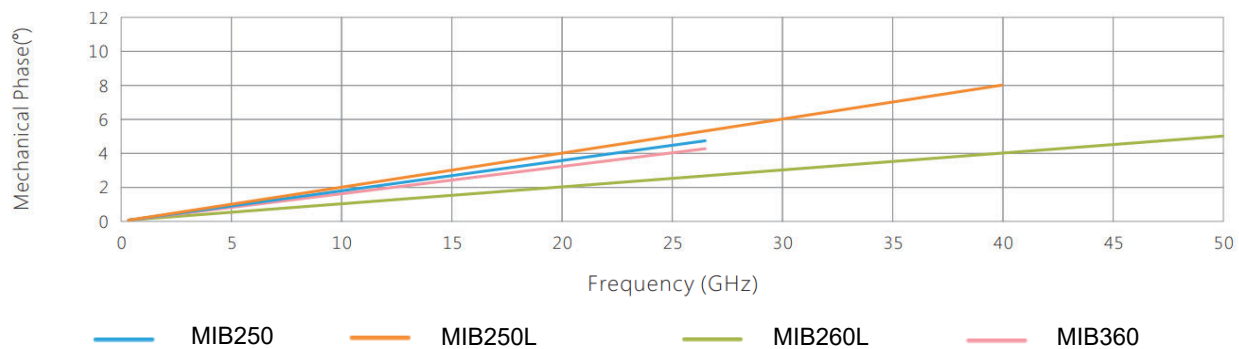


Frequency & Power



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)

