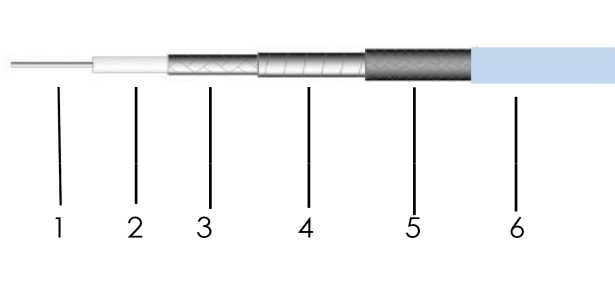


MIB-250S



Low Loss Phase Match RF Flexible cable



Construction Specification

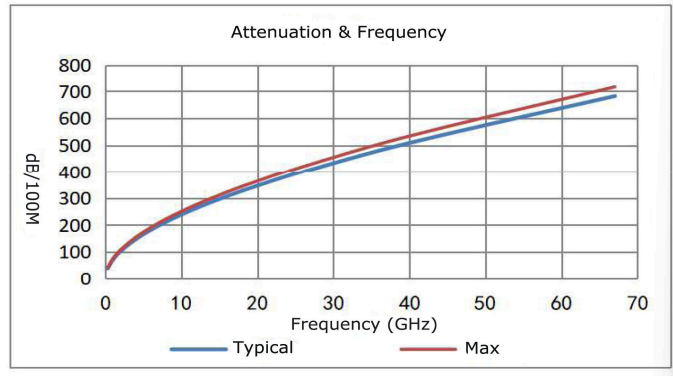
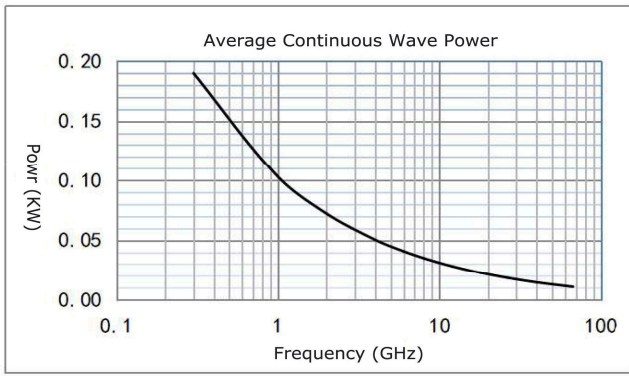
structure	Diameter(mm)	Materials
1.Inner Conductor	0.51 ±0.01	Silver Plated Copper
2.Dielectric	1.55 ±0.03	ND PTFE
3.Outer Conductor	1.70 ±0.05	Flat Silver Plated Copper Wrap
4.Interlayer	1.8 ±0.05	High-temperature aluminum foil
5.Out shielding	2.05 ±0.10	Stainless Steel Wire
6.Jacket	2.50 ±0.15	Light Blue FEP

Electrical Characteristics

Frequency(GHz)	DC to 50GHz
Impedance	50Ohm
Velocity(%)	75%
Shielding Efficiency(dB)	>90
Voltage Withstanding(V)	500 DC

Mechanical Characteristics

Min.Bending Radius Static(mm)	12
Min.Bending Radius with Repeat (mm)	25
Weight (g/m)	18
Operating Temp.(°C)	-55 to 165
Storage Temp.(°C)	-55 to 165



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

Frequency (MHz)	Attenuation (dB/100M)	Average Power(KW)
300	39.10	0.190
1000	72.10	0.103
2000	102.90	0.072
4000	147.40	0.050
6000	182.20	0.041
8000	212.10	0.035
10000	238.80	0.031
12000	263.20	0.028
14000	285.90	0.026
18000	327.50	0.023
26500	404.70	0.018
40000	508.80	0.015
50000	577.10	0.013

Note: K1=2.2320000, K2=0.0015600 Formulas: dB100 m =K1* √ FMhz+K2*FMHz