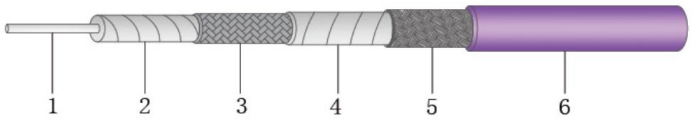
Tight Bend Triple-shielding Flexible Cable

BM260L Rev3

Features & Benefits

- Allowing bend from connector end
- Min bending radius from connector end 5 mm
- Operating to 50GHz, low attenuation
- Eliminating the use of right angle connectors
- Robust with multi-interlayer
- Similar to Minibend cables, 086 size

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center conductor	0.56	Silver plated copper
2	Dielectric	1.70	Low density PTFE
3	Outer conductor	1.85	Silver plated copper wire braiding
4	Middle layer	1.98	Aluminum foil
5	Outer shield	2.24	Stainless steel wire
6	Jacket	2.64	FEP

Electrical

Frequency	DC-50 GHz
Impedance	50 Ω
Velocity of Propagation	75%
Shielding Effectiveness	>90 dB
Withstanding Voltage	500 V
*Mechanical Phase Stability	<±6º @ 40GHz, <±8º @ 50GHz
Amplitude Stability vs Shaking	<±0.2dB

* Wrapped 360˚ around a 26 mm radius mandrel.

Mechanical & Environmental

Min.Bending Radius Static 360°	10.5mm
Min. Bending Radius Repeated	26mm
Weight	17g/m
Temperature(Operation)	-50～150 ºC
Temperature(Storage)	-60～160 ºC

Attenuation(Typical@25℃&VSWR=1.0) & Power(VSWR=1.0; 40℃; Sea level)

Frequency MHz	300	1000	2000	4000	6000	9200	10000	12400	18000	26500	40000	50000
dB/100 Meter	32.6	60.1	85.8	122.8	151.9	190.4	199.0	223.2	272.9	337.2	424.0	480.9
Avg.Power kW	0.500	0.271	0.190	0.133	0.107	0.086	0.082	0.073	0.060	0.048	0.038	0.034

Attenuation at any frequency=[1.860000×SQRT(FMHz)]+[0.001300×FMHz]

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
BM260L	SMA	Male	Straight	Standard	26.5	1.35
BM260L	2.92mm	Male/Female	Straight	Standard	40	1.35
BM260L	2.4mm	Male	Straight	Standard	50	1.45
BM260L	2.4mm	Female	Straight	Standard	50	1.45

Other connectors available upon request.