

LMR 240 Flexible Cable

LMR 240 Flexible Cable is a high-performance, 50-Ohm coaxial cable designed for deliver low signal attenuation and superior electromagnetic shielding while maintaining excellent flexibility. It serves as an ideal, lower-loss alternative to traditional RG-series cables like RG-8X or RG-213.



PART No: TE-RFC-LMR-240F-D6.10

Cable Structure			
S No.	Layer		Diameter
1.	Inner Conductor	Solid BC	1.42 mm
2.	Dielectric	Foam Polyethylene	3.81 mm
3.	Outer Conductor(1)	Aluminium Tape	3.94 mm
4.	Outer Conductor(2)	Tinned Copper	4.52 mm
5.	Jacket	PE (Black)	6.10 mm

Physical Characteristics			
Weight (kg/m)	0.05	Working Temp.	-40°C to +85°C
Min. Bending Radius	19.1mm (static)	Storage Temp.	-70°C to +90°C
Min. Bending Radius	63.5(dynamic)	Tensile Strength (kg)	36.3

Electrical Characteristics			
Impedance	50 ohms	Cut-Off Frequency	8.0GHz
Velocity	80%	Power Handling	100W@5.8GHz
Shielding Effectiveness	>90 dB	V _{max}	1,500V
Capacitance	79.4 pF/m	Inductance	0.20 uH/m

Frequency (GHz)	0.15	0.45	0.9	1.5	1.8	2.0	2.5	5.8	8.0
Attenuation dB/100ft	1.7	5.3	7.6	9.9	10.9	11.5	12.9	20.4	24.3
Attenuation dB/100m	5.7	17.3	24.8	32.4	35.6	37.7	42.4	66.8	79.7

TE TECH SOLUTION

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