

LMR 240 Ultra Flex Cable

LMR 240 Ultra Flex cable is a high-performance, 50-Ohm coaxial communication cable explicitly designed for applications requiring high flexibility, repeated bending, and low signal loss. It serves as a superior, low-loss drop-in replacement for standard RG-8X or RG-59 cables.



PART No: TE-LMR-240UF-D6.096

Cable Structure			
S No.	Layer		Diameter
1.	Inner Conductor	Stranded 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	TPR (Black)	6.096 mm

Physical Characteristics			
Weight (kg/m)	0.05	Working Temp.	-40°C to +85°C
Min. Bending Radius	19.05mm (static)	Storage Temp.	-70°C to +90°C
Bending Moment(N-m)	0.17	Tensile Strength (kg)	36.3

Electrical Characteristics			
Impedance	50 ohms	Cut-Off Frequency	6.0GHz
Velocity	80%	Power Handling	80W@5.8GHz
Shielding Effectiveness	>90 dB	V _{max}	1,500V
Capacitance	79.4 pF/m	Inductance	0.20 uH/m

Frequency (GHz)	0.45	0.9	1.5	2.5	5.8
Attenuation dB/m	0.20	0.29	0.38	0.51	0.80
Attenuation dB/ft	0.06	0.9	0.11	0.15	0.24

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