

LMR 100 Ultra Flex Cable

LMR 100 Ultra Flex Cable is a high-performance, 50-Ohm, double-shielded, low-loss RF coaxial cable. It is specifically engineered to replace rigid or high-loss cables like RG-174 and RG-316 in applications demanding extreme flexibility, repetitive bending, and tight routing.



PART No: TE-RFC-LMR-100UF-

Cable Structure			
S No.	Layer	Material	Diameter
1.	Inner Conductor	Stranded Bare Copper	0.46 mm
2.	Dielectric	Polyethylene (PE)	1.52 mm
3.	Outer Conductor(1)	Aluminium Tape	1.73 mm
4.	Outer Conductor(2)	Tinned Copper	2.11 mm
5.	Jacket	TPE (Black)	2.79 mm

Physical Characteristics			
Weight (kg/m)	0.01	Working Temp.	-40°C to +85°C
Min. Bending Radius	6.35mm (static)	Storage Temp.	-70°C to +90°C
Min. Bending Radius	25.4mm(dynamic)	Tensile Strength (kg)	6.8

Electrical Characteristics			
Impedance	50 ohms	Cut-Off Frequency	8GHz
Velocity	66%	Power Handling	13W@5.8GHz
Shielding Effectiveness	>90 dB	V _{max}	500V
Capacitance	101.05 pF/m	Inductance	0.25 uH/m

Frequency (GHz)	0.15	0.45	0.9	1.5	1.8	2.0	2.5	5.8
Attenuation dB/100ft	8.9	15.8	22.8	30.1	33.2	35.2	39.8	64.1
Attenuation dB/100m	29.2	51.84	74.8	98.7	108.9	115.5	130.6	210.3

TE TECH SOLUTION

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