

LMR 400 Ultra Flex Cable

LMR-400 ultra flex cable is a 50-ohm, low-loss, flexible coaxial radio frequency (RF) cable primarily used for wireless communications, antenna feedlines, and high-frequency data transmission.



PART No: TE-RFC-LMR-400UF-D6.10

Cable Structure			
S No.	Layer	Material	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	TPE (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	63.5mm (dynamic)	Tensile Strength (kg)	36.3

Electrical Characteristics			
Impedance	50 ohms	Cut-Off Frequency	5.8GHz
Velocity	80%	Power Handling	170W@5.8GHz
Shielding Effectiveness	> 90 dB	V _{max}	2,500V
Capacitance	79.4 pF/m	Inductance	0.20 uH/m

Frequency (GHz)	0.15	0.22	0.45	0.9	1.5	1.8	2.0	2.5	5.8
Attenuation dB/100m	11.9	14.4	20.8	29.8	38.9	42.8	45.2	50.9	80.1
Attenuation dB/100ft	3.6	4.4	6.3	9.1	11.8	13.0	13.8	15.5	24.4

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