

LMR 400 Flexible Cable

LMR-400 flexible 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-400F-D10.29

Cable Structure			
S No.	Layer	Material	Diameter
1.	Inner Conductor	Solid BCCAI	2.74 mm
2.	Dielectric	Foam Polyethylene	7.24 mm
3.	Outer Conductor(1)	Aluminium Tape	7.39 mm
4.	Outer Conductor(2)	Tinned Copper	8.13 mm
5.	Jacket	PE (Black)	10.29 mm

Physical Characteristics			
Weight (kg/m)	0.10	Working Temp.	-40°C to +85°C
Min. Bending Radius	25.4mm (static)	Storage Temp.	-70°C to +90°C
Min. Bending Radius	101.6mm (dynamic)	Tensile Strength (kg)	72.6

Electrical Characteristics			
Impedance	50 ohms	Cut-Off Frequency	8.0GHz
Velocity	80%	Power Handling	210W@5.8GHz
Shielding Effectiveness	> 90 dB	V _{max}	2,500V
Capacitance	78.4 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/100m	5.0	8.9	12.8	16.8	18.6	19.6	22.2	35.5	42.7
Attenuation dB/100ft	1.5	2.7	3.9	5.1	5.7	6.0	6.8	10.8	13.0

TE TECH SOLUTION

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