



LMR-400(KMR-400) is a flexible low loss, braided coaxial cable offers similar performance compared to corrugated coaxial cable, but with higher flexibility and simplified connectorization.

Drop-in replacement for RG8 cable.

It can be used in almost any application where handling characteristics, improved shielding and low loss is required. It is ideal for:

- # Jumper assemblies in wireless communication systems.
- # Short antenna feeder runs.
- # WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile antennas.

Item No.	Series No.
<b>LMR-400(KMR-400)</b>	<b>S109</b>

### Mechanical Construction

Property	Material	Diameter(mm)
Inner conductor	Copper-clad aluminum wire	φ 2.74
Dielectric	Foam PE	φ 7.24
Outer conductor	Aluminum foil tape + Tinned copper braided (AF/TC) 168*0.15, coverage ≥90%	φ 8.13
Jacket	Black PE	φ 10.29

### Electrical Properties

Property	Value
Minimum bending radius	51.5 mm
Operating temperature	-40 ~ +80°C
RoHs	Compliant

## Electrical Properties

Property	Value
Impedance	50 $\Omega$
Operating frequency	DC-6GHz
Cut-off frequency	16.2GHz
Rated capacitance	77.8 pf/m
Velocity	85.70%
Peak Power	16 KW
Shielding Effectiveness	90 dB
DC Resistance, Inner Conductor	4.91 ohms/km
DC Resistance, Outer Conductor	5.41 ohms/km
DC Voltage withstand	2500 V
Jacket Spark	8000 Vrms

## Attenuation

Frequency(MHz)	Attenuation(20°C, dB/100m)	Average Power (KW)
30	2.20	2.91
50	2.90	2.21
150	5.00	1.28
220	6.10	1.05
450	8.90	0.72
900	12.80	0.50
1500	16.80	0.38
1800	18.60	0.34
2000	19.60	0.33
2500	22.20	0.29
5800	35.50	0.18