

## Datasheet\_LMR-200(KMR-200)



LMR-200(KMR-200) is a flexible low loss, braided coaxial cable offers similar performance compared to corrugated coaxial cable, but with higher flexibility and simplified connectorization.

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-200(KMR-200)</b>	<b>S04</b>

### Mechanical Construction

Property	Material	Diameter(mm)
Inner conductor	Solid bare copper	1 / $\phi$ 1.12
Dielectric	Foam PE	$\phi$ 2.95
Outer conductor	Aluminum foil tape Tinned copper wire braided (AF/TC), 96*0.12	$\phi$ 3.66
Jacket	Black, PE	$\phi$ 4.95

### Electrical Properties

Property	Value
Minimum bending radius	25 mm
Operating temperature	-40 ~ +80°C
RoHs	Compliant

## Electrical Properties

Property	Value
Impedance	50 $\Omega$
Rated capacitance	80.4 pf/m
Velocity	83.00%
Peak Power	2.5 KW
Shielding Effectiveness	85 dB
DC Resistance, Inner Conductor	18.38 ohms/km
DC Resistance, Outer Conductor	16.88 ohms/km
DC Voltage withstand	1000 V
Jacket Spark	3000 Vrms

## Attenuation

Frequency(MHz)	Attenuation(20°C, dB/100m)	Average Power (KW)
30	5.80	0.91
50	7.50	0.70
150	13.10	0.40
220	15.90	0.33
450	22.80	0.23
900	32.60	0.16
1500	42.40	0.12
1800	46.60	0.11
2000	49.30	0.11
2500	60.20	0.10
5800	86.50	0.06