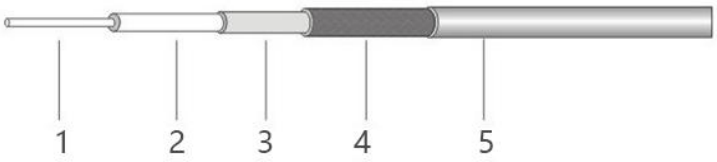

LMR-600(KMR-600) is a flexible low loss, braided coaxial cable offers similar performance compared to corrugated. coaxial cable, but with higher flexibility and simplified connectorization.

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.
LMR-600(KMR-600)	S103

Structure

Property	Material	Diameter(mm)
Inner conductor	Copper-clad aluminum wire	φ 4.47
Dielectric	Foam PE	φ 11.56
Outer conductor	Aluminum foil tape (AF)	/
Outer conductor	Tinned copper clad aluminum braid (TCCA) , 9*24*0.16	φ 12.50
Jacket	PE, Black	φ 14.99

Mechanical & Environmental Properties

Property	Value
Bending Moment	3.7 N-m
Flat Plate Crush Strength	1.1 kg/mm
Minimum bending radius, Single	38.1 mm
Tensile Strength	159kg
Installation temperature	-40 ~ +85℃
Operating temperature	-40 ~ +85℃
Storage temperature	-40 ~ +85℃
RoHs	Compliant
Cable weight	0.165 kg/m

Electrical Properties

Property	Value
Impedance	50 Ω
Operating frequency	30-6000Mhz
Cut-off frequency	10.2GHz
Rated capacitance	76.0 pf/m
Peak Power	40 KW
Shielding Effectiveness, min	90 dB
DC Resistance, Inner Conductor	1.74 ohms/km
DC Resistance, Outer Conductor	8.62 ohms/km
DC Test Voltage	4600 V
Jacket Spark Test Voltage (rms)	8000 Vrms

Attenuation

Frequency(MHz)	Attenuation(20℃, dB/100m)	Attenuation dB/100 ft)
30	1.60	0.49
50	1.97	0.60
150	3.20	0.97
220	3.80	1.17
450	5.60	1.71
900	8.20	2.50
1500	10.80	3.30
1800	12.10	3.70
2000	12.80	3.90
2400	14.44	4.40
2500	14.80	4.50
3000	16.40	5.00
4000	19.36	5.90
4500	21.00	6.40
5000	22.31	6.80
5200	22.97	7.00
5500	23.62	7.20
5800	24.28	7.40
6000	24.93	7.60

*typical values, guaranteed within 10%