

LMK-600

Flexible Low Loss Communications Coaxial Cable (LMR-600 equivalent)

Construction Specifications

Description	Material	Dimensions
Inner Conductor	Solid BCCAI	4.47 mm
Dielectric	Foam PE	11.56 mm
Outer Conductor	Aluminum Tape	11.71 mm
Overall Braid	Tinned Copper	12.45 mm
Jacket	PE Black	14.99 mm

Electrical Specifications

Capacitance	76.8 pF/m
Impedance	50 ohms
Velocity of Propagation	86 %
dc Resistance, Inner Conductor	1.09 ohms/km
dc Resistance, Outer Conductor	3.94 ohms/km
Shielding Effectiveness	> 90 dB
Insulation Resistance	>5000 Mohms/km

VSWR ≤ (Return loss ≥dB)

5-3000 MHz	1.20 (20)
800-1000 MHz	1.10 (26)
1700-2400 MHz	1.15 (23)

Mechanical Specifications

Bend Radius: installation	75 mm
Bend Radius: repeated	153.4 mm
Tensile Strength	155 kg

Environmental Specifications

Operating Temperature Range	-40/+85 °C
Installation Temperature Range	-40/+85 °C
Storage Temperature Range	-70/+85 °C

Attenuation and Avg. Power

Frequency MHz	30	50	150	220	450	900	1500	1800	2000	2500	3000	5800
Attenuation dB/100 m	1.4	1.8	3.2	3.9	5.6	8.2	10.9	12.1	12.8	14.5	15.7	23.8
Avg. Power kW	4.93	3.83	2.16	1.77	1.23	0.84	0.63	0.57	0.54	0.48	0.48	0.29

