

LMK-400

Flexible Low Loss Communications Coaxial Cable (LMR-400 equivalent)

Construction Specifications

Description	Material	Dimensions
Inner Conductor	Solid BCCAI	2.74 mm
Dielectric	Foam PE	7.24 mm
Outer Conductor	Aluminum Tape	7.39 mm
Overall Braid	Tinned Copper	8.13 mm
Jacket	PE Black	10.29 mm

Electrical Specifications

Capacitance	77.1 pF/m
Impedance	50 ohms
Velocity of Propagation	85%
dc Resistance, Inner Conductor	2.92 ohms/km
dc Resistance, Outer Conductor	5.41 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	25,4 mm
Bend Radius: repeated	103 mm
Tensile Strength	73 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	2.2	2.9	5	6.1	8.9	12.8	16.8	18.6	19.6	22.2	24.8	35.5
Avg. Power kW	2.91	2.21	1.28	1.05	0.72	0.5	0.38	0.34	0.33	0.29	0.26	0.18