

LMK-195

Flexible Low Loss Communications Coaxial Cable (LMR-195 equivalent)

Construction Specifications

Description	Material	Dimensions
Inner Conductor	Bare Copper	0.94 mm
Dielectric	Foam PE	2.79 mm
Outer Conductor	Aluminum Tape	2.95 mm
Overall Braid	Tinned Copper	3.53 mm
Jacket	PE Black	4.95 mm

Electrical Specifications

Capacitance	79.7 pF/m
Impedance	50 ohms
Velocity of Propagation	76 %
dc Resistance, Inner Conductor	24.94 ohms/km
dc Resistance, Outer Conductor	16.08 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	25.0 mm
Bend Radius: repeated	51.2 mm
Tensile Strength	18 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	6.5	8.4	14.6	17.7	25.6	36.5	47.7	52.5	55.5	62.4	67.5	93.0
Avg. Power kW	0.78	0.60	0.35	0.29	0.20	0.14	0.11	0.10	0.09	0.08	0.08	0.05

