

CABLE COAXIAL LMR240 50 ohmios

CABLE COAXIAL LMR-240 50 Ohms Low Loss coaxial cable Standard Braiding black PE jacket



APPLICATION

- Antenna and Feeder system.
- Indoor DAS.
- Microwave System.
- Low loss, broad band assemblies for Broadcast, Aerospace, Radar, Navigation...

CONSTRUCTIONS & DIMENSIONS

Construction	Material	Dia.(mm)
Inner conductor	Solid Copper	1.4200 mm 0.0559 in
Dielectric	Foam PE*	3.810 mm 0.150 in
Outer conductor	Aluminum Tape	3.988 mm 0.157 in
Braiding	Tinned Copper	4.520 mm 0.178 in
Jacket	PE	6.100 mm 0.240 in
Weight	0.05 kg/m	

ELECTRICAL CHARACTERISTICS

Cable Impedance	50 ohm
Capacitance	79.8 pF/m 24.4 pF/ft
Dc Resistance, Inner Conductor	11.100 ohms/km 3.384 ohms/kft
Dc Resistance, Outer Conductor	12.760 ohms/km 3.890 ohms/kft
Dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	2500 V
Maximum Frequency	31.00 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	5.6 kW
Shielding Effectiveness, minimum	90dB
Relative Velocity	83%

*: PE - polyethylene

Cableados y Conexiones S.L.

MECHANICAL CHARACTERISTICS

Bending Moment	0.3 N-m 0.3 ft lb
Flat Plate Crush Strength	0.4 kg/mm 20.0 lb/in
Minimum Bend Radius, Single Bend	19.10 mm 0.75 in
Tensile Strength	36 kg 80 lb

ENVIRONMENTAL CHARACTERISTICS

Installation Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-70 °C to +85 °C (-94 °F to +185 °F)

ATTENUATION

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	4.90	1.50
50 MHz	6.20	1.90
150 MHz	10.20	3.10
220 MHz	12.50	3.80
450 MHz	17.40	5.30
900 MHz	24.90	7.60
1800 MHz	35.75	10.90
2500 MHz	42.31	12.90
3000 MHz	46.48	14.17
4000 MHz	53.92	16.44
4500 MHz	57.30	17.47
5000 MHz	60.51	18.45
5200 MHz	61.76	18.83
5500 MHz	63.60	19.39
5800 MHz	66.90	20.40
6000 MHz	73.82	22.50

**Typical values, guaranteed within 5%