

## LMR-400 Type Cables



LMR-400 Type Cables are ideal for jumper assemblies in wireless communication systems and antenna feed runs less than one-hundred feet.

### Features and Benefits

- **Flexible:** With a 1-inch minimum bend radius, LMR-400 cable can be easily routed into and through tight spaces without kinking.
- **Low Loss:** LMR400 has the lowest loss of any RG8/RG13 type cable. This is achieved through the use of a high velocity gas-injected closed cell foam dielectric, and bonded aluminum tape outer conductor.
- **Weatherproof:** The UV protected black polyethylene jacket makes the cable rugged and resistant to the full range of outdoor environments. The DB version of the cable includes a water blocking material within the braid to protect the cable from moisture ingress and eliminates any potential for corrosion in harsh environments or should the jacket become damaged.
- **RF Shielding:** The bonded aluminum tape outer conductor is overlapped to provide 100% coverage, resulting in >90 dB RF shielding (>180 dB crosstalk) and excellent interference immunity (ingress and egress).
- **Phase Stability:** The intimately bonded structure and foam dielectric of LMR cables provide excellent phase stability over temperature and with bending. The high velocity dielectric results in superior phase stability as compared with solid and air-spaced dielectric cables.

### Ordering Information

Cable Type	Part Number	Part Description
LMR-400	C40M40-40-002	2' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-005	5' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-010	10' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-015	15' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-020	20' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-025	25' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-040	40' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-050	50' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-060	60' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-080	80' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-100	100' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-150	150' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-200	200' LMR 400 N Plug --> N plug cable
LMR-400	C40M40-40-250	250' LMR 400 N Plug --> N plug cable

### Mechanical Specifications

Minimum Bend Radius	1 in (25.4 mm)
Bending Movement	0.5 ft lbs (0.68 N-m)
Weight	0.068 lb/ft (0.10 kg/m)
Tensile Strength	160 lbs (72.6 kg)
Flat Plate Crush	40 lb/in (0.71 kg/mm)

### Environmental Specifications

Installation Temp Range	-40° / +185° F
Storage Temp Range	-94° / +185° F
Operating Temp Range	-40° / +185° F
	-70° / + 85° C
	-40° / +85° C

### Electrical Specifications

Voltage Withstand	2500 VDC
Peak Power	16 kW
Jacket Spark	8000 VRMS

### Attenuation Average @ 2500 MHz

dB/100 ft	dB/100 m	Power kW
6.8	22.2	0.33