

DATASHEET

LMR[®]-400 Cable

ProSoft Technology-supplied cables are designed to provide the lowest attenuation and are pre-cut and assembled with connectors at the factory to ensure ultimate reliability and customer satisfaction.

LMR[®]-400 Cables are ideal for jumper assemblies in wireless communication systems and short antenna feed runs of less than 100 feet.



Features	Benefits
Flexible	<ul style="list-style-type: none"> ◆ With a 1-inch minimum bend radius, the LMR[®]-400 cable can be easily routed into and through tight spaces without kinking.
Low Loss	<ul style="list-style-type: none"> ◆ LMR[®]-400 cable has the lowest loss of any RG8/RG13 type cable. This is achieved using a high velocity gas-injected closed cell foam dielectric, and bonded aluminum tape outer conductor.
Weatherproof	<ul style="list-style-type: none"> ◆ The UV-protected black polyethylene jacket makes the cables rugged and resistant to the full range of outdoor environments.
RF Shielding	<ul style="list-style-type: none"> ◆ The bonded aluminum tape outer conductor is overlapped to provide 100% coverage, resulting in in >90 dB RF shielding (>180 dB crosstalk) and excellent interference immunity.
Phase Stability	<ul style="list-style-type: none"> ◆ 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.
Backed by ProSoft Technology [®]	<ul style="list-style-type: none"> ◆ Industrial data communications experts who understand your protocols, devices, and applications. ◆ Three year standard warranty.

Mechanical Specifications

Specification	Description
Installation Bend Radius	1 inches (25.4 mm)
Repeated Bend Radius	4 inches (101.6 mm)
Bending Moment	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/inch (0.71 kg/mm)

Environmental Specifications

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

Electrical Specifications

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

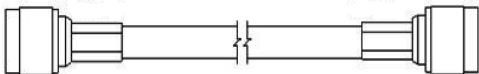
Attenuation (typical)

Frequency	dB/100 feet	dB/100 meters
900 MHz	3.9	12.8
2500 MHz	6.8	22.2
5800 MHz	10.8	35.5

* Both connectors combined add an additional 1dB of attenuation

Extension Cables

C40M40-40-XXX (N Plug to N Plug)



LMR[®]-400 extension cables with standard N plug connector on both ends.
Use to connect antenna to lightning protector on bulkhead. XXX = Feet



Additional Products

ProSoft Technology[®] offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms. For a complete list of products, visit our website at: www.prosoft-technology.com

Ordering Information

To order this product, please use the following:

LMR[®]-400 Cable

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: www.prosoft-technology.com and select *Where to Buy* from the menu.