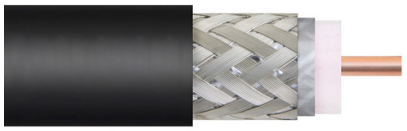
75 Ohm Low Loss Flexible LMR-400-75 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-400-75

Times Microwave Systems Coax Cable Specification

Configuration

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 85% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

LMR-400-75 part number from Pasternack is a LMR-400 coax cable that is flexible. Pasternack LMR-400-75 flexible coax cable is 75 Ohm and has a PE (F) dielectric. Our LMR-400-75 coax is constructed with a 0.405 jacket made of PE. LMR-400-75 coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz.

Pasternack LMR-400 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-400-75 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-400-75 or other coax can be built and shipped same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		75		Ohms
Velocity of Propagation		85		%
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			2,000	Vdc
Inner Conductor DC Resistance			2.5	Ohms/1000ft
Outer Conductor DC Resistance			1.65	Ohms/1000ft
Nominal Capacitance		15.9 [52.17]		pF/ft [pF/m]
Nominal Inductance		0.09 [0.3]		uH/ft [uH/m]
Input Power (Peak)			10	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	0.8	1.5	1.8	2.6	3.7	dB/100ft
	2.62	4.92	5.91	8.53	12.14	dB/100m

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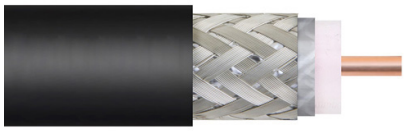

LMR-400-75

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Input Power (CW), Max	2,310	1,320	1,080	740	520	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5		GHz
Attenuation, Typ	4.9	5.4	5.7	6.4	4	dB/100ft
	16.08	17.72	18.7	21	13.12	dB/100m
Input Power (CW), Max	390	350	330	300		Watts

Mechanical Specifications

Diameter	0.405 in [10.29 mm}
Weight	0.072 lbs/ft [0.11 kg/m]
Min. Bend Radius (Installation)	1 in [25.4 mm]
Min. Bend Radius (Repeated)	4 in [101.6 mm]
Bending Moment	0.5 lbs-ft [0.68 N-m]
Tensile Strength	160 lbs [72.57 kg]
Flat Plate Crush	40 lbs/in [0.71 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Beryllium Copper, 1 Strand	0.065 in [1.65 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper	
Jacket	PE, Black	0.405 in [10.29 mm]

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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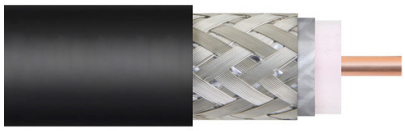

LMR-400-75

75 Ohm Low Loss Flexible LMR-400-75 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Low Loss Flexible LMR-400-75 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-400-75

URL: https://www.pasternack.com/75-ohm-low-loss-flexible-lmr-400-pe-jacket-aluminum-tape-over-tinned-copper-outer-conductor-double-shielded-black-lmr-400-75-p.aspx