

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

RF Cables Technical Data Sheet

LMR-400-75-BULK

Times Microwave Systems Coax Cable Specification Configuration

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

Electrical Specifications

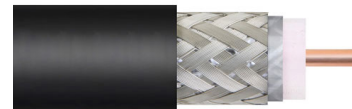
Description	Minimum	Typical	Maximum	Units
Frequency Range	Error on F1=NULL		Error on F1=NULL	
Impedance		75		Ohms
Velocity of Propagation		85		%
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			2,000	Vdc
Inner Conductor DC Resistance			2.5	Ohms/1000ft
Outer Conductor DC Resistance			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
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

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-BULK](#)



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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

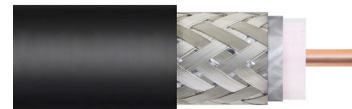
Description	Material and Plating	Diameter
Inner Conductor	Beryllium Copper, 1 Strand	0.065 in [1.65 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Aluminum Tape	[]
Second Shield	Tinned Copper	[]
Jacket	PE, Black	0.405 in [10.29 mm]

Environmental Specifications

Temperature

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

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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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.

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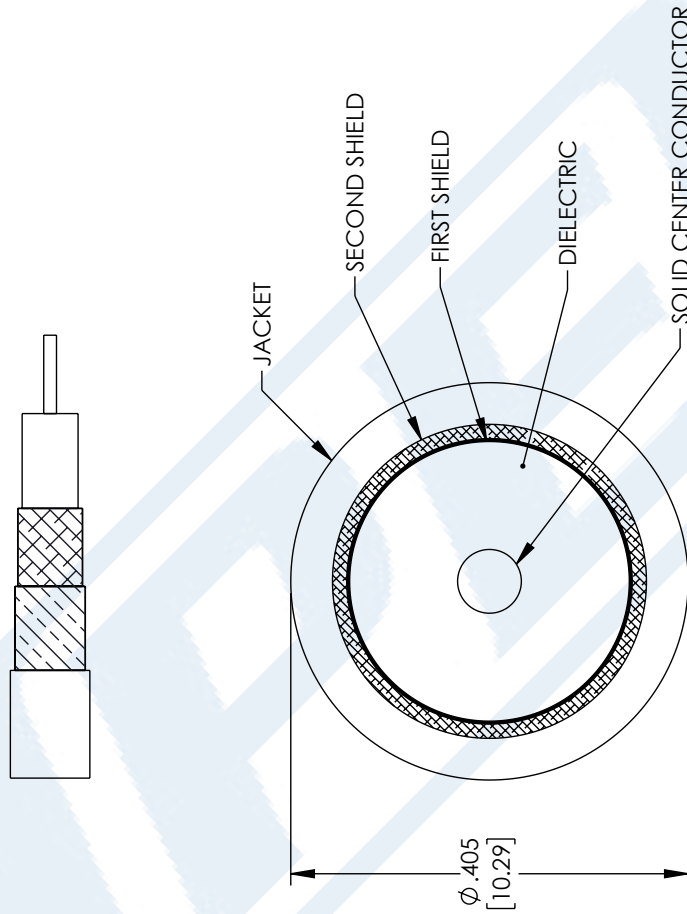
URL: <https://www.pasternack.com/75-ohm-low-loss-flexible-lmr-400-pe-jacket-aluminum-tape-over-tinned-copper-outer-conductor-double-shielded-black-lmr-400-75-bulk-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

LMR-400-75-BULK CAD Drawing

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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/14/2022	AGANWANI



THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A		PE PASTERNAK an INFINITI® brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com													
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: <table> <tr> <td>X = ± .2</td><td>[.008]</td><td>FRACTIONS</td><td>± 1/32</td></tr> <tr> <td>.XX = ± .02</td><td>[.51]</td><td>ANGLES</td><td>± 1°</td></tr> <tr> <td>.XXX = ± .005</td><td>[.13]</td><td>CABLE LENGTH (L)</td><td>TOLERANCES:</td></tr> </table> L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5% / -0 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		X = ± .2	[.008]	FRACTIONS	± 1/32	.XX = ± .02	[.51]	ANGLES	± 1°	.XXX = ± .005	[.13]	CABLE LENGTH (L)	TOLERANCES:	ITEM NO. LMR-400-75-BULK REV A	
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SIZE A	CAGE CODE 53919	DRAWN BY DZINN	ITEM NO. LMR-400-75-BULK												

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