

N Male to UHF Male Low Loss Cable Using LMR-400 Coax With Times Microwave Parts

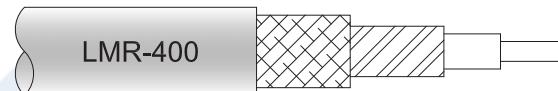


RF Cable Assemblies Technical Data Sheet

PE3C6898

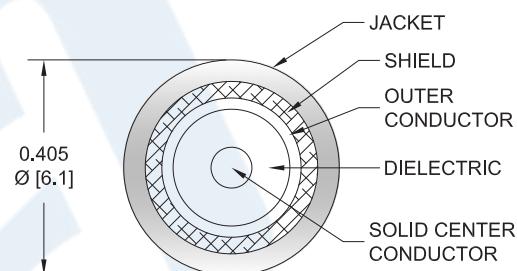
Configuration

- Connector 1: N Male
- Connector 2: UHF Male
- Cable Type: LMR-400



Features

- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6898 type N male to UHF male cable using LMR-400 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack type N to UHF cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		85		%
RF Shielding	90			dB
Group Delay		1.2 [3.94]		ns/ft [ns/m]
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ω/1000ft [Ω/Km]
Jacket Spark			8,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to UHF Male Low Loss Cable Using LMR-400 Coax With Times Microwave Parts PE3C6898](#)

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Mechanical Specifications

Cable Assembly

Weight	0.264 lbs [119.75 g]
Cable	
Cable Type	LMR-400
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.405 in [10.29 mm]
One Time Minimum Bend Radius	1 in [25.4 mm]
Repeated Minimum Bend Radius	4 in [101.6 mm]
Bending Moment	0.5 lbs-ft [0.68 N-m]
Flat Plate Crush	40 lbs/in [0.71 Kg/mm]
Tensile Strength	160 lbs [72.57 Kg]

Connectors

Description	Connector 1	Connector 2
Type	N Male	UHF Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 μ in. minimum	
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Specification	150 μ in. minimum	
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Plating Specification	150 μ in. minimum	
Hex Size	13/16 inch	

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: PE3C6898-12 = 12 inches long cable
PE3C6898-100cm = 100 cm long cable

N Male to UHF Male Low Loss Cable Using LMR-400 Coax With Times Microwave Parts 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.

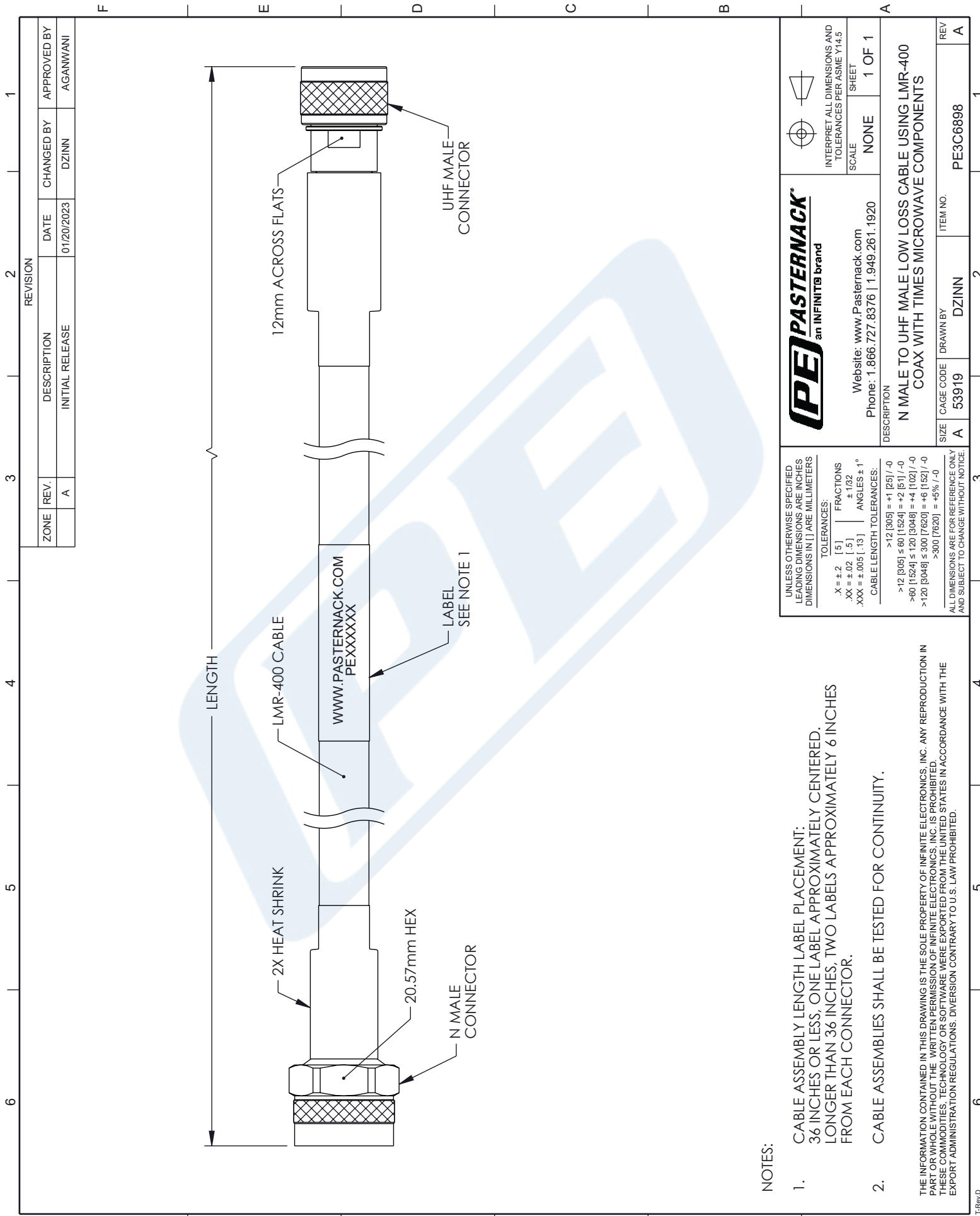
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URL: <https://www.pasternack.com/n-male-to-uhf-male-low-loss-cable-using-lmr-400-pe3c6898-p.aspx>

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.

PE3C6898 CAD Drawing

N Male to UHF Male Low Loss Cable Using LMR-400 Coax With Times Microwave Parts



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES
FROM EACH CONNECTOR.

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 PASTERNACK® an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5								
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		SCALE NONE	REV A							
TOLERANCES: <table border="0"> <tr> <td>$X \pm .2$</td><td>$[.5]$</td><td>FRACTIONS</td></tr> <tr> <td>$.XX \pm .02$</td><td>$[.5]$</td><td>$\pm .132$</td></tr> <tr> <td>$.XXX \pm .005$</td><td>$[.13]$</td><td>ANGLES $\pm 1^\circ$</td></tr> </table> CABLE LENGTH TOLERANCES: $>12 [305] = \pm [125] / -0$ $>12 [305] = 60 [1524] = \pm 2 [51] / -0$ $>60 [1524] \pm 120 [3048] = \pm 4 [102] / -0$ $>120 [3048] \pm 300 [7620] = \pm 6 [1522] / -0$ $>300 [7620] = \pm 55% / -0$	$X \pm .2$	$[.5]$	FRACTIONS	$.XX \pm .02$	$[.5]$	$\pm .132$	$.XXX \pm .005$	$[.13]$	ANGLES $\pm 1^\circ$	WEBSITE www.Pasternack.com PHONE 1.886.727.8376 1.949.261.1920
$X \pm .2$	$[.5]$	FRACTIONS								
$.XX \pm .02$	$[.5]$	$\pm .132$								
$.XXX \pm .005$	$[.13]$	ANGLES $\pm 1^\circ$								
DESCRIPTION	N MALE TO UHF MALE LOW LOSS CABLE USING LMR-400 COAX WITH TIMES MICROWAVE COMPONENTS									
SIZE A	CAGE CODE 53919	DRAWN BY DZINN	ITEM NO. PE3C6898							
3										