

N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400-UF Coax with HeatShrink, LF Solder



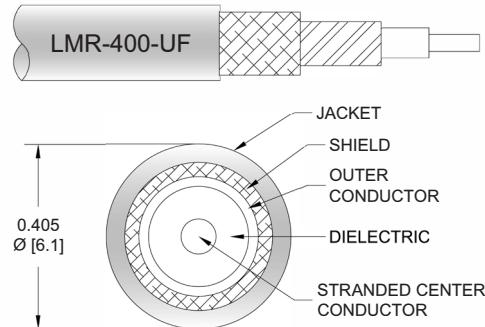
PE3W04805LF/HS

Configuration

- Connector 1: N Male Right Angle
- Connector 2: TNC Male Right Angle
- Cable Type: LMR-400-UF
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- TPE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04805LF/HS type N male right angle to TNC male right angle cable using LMR-400-UF 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 TNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400-UF coax. The PE3W04805LF/HS type N male to TNC male cable assembly operates to 6 GHz. The right angle type N and right angle TNC interfaces on the LMR-400-UF cable allow for easier connections in tight spaces. 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
Frequency Range	DC		6	GHz
VSWR			1.4:1	
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		1.07 [3.51]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ohms/1000ft [Ohms/Km]
Operating Voltage (AC)			500	Vrms

N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400-UF Coax with HeatShrink, LF Solder



PE3W04805LF/HS

Electrical Specifications

Description	Minimum	Typical					Maximum	Units
Dielectric Withstanding Voltage (AC)						1,000		Vrms
Jacket Spark						8,000		Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units MHz	Weight (lbs)
		Frequency	250	500	1000	2500	6000		
PE3W04805LF/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.023	0.035	0.05	0.081	0.112	dB/ft	
			0.08	0.12	0.17	0.27	0.37	dB/m	
PE3W04805LF/HS-12	12 inch	Insertion Loss (Typ.)	0.48	0.49	0.5	0.54	0.57	dB	0.306
PE3W04805LF/HS-24	24 inch	Insertion Loss (Typ.)	0.5	0.52	0.55	0.62	0.68	dB	0.393
PE3W04805LF/HS-36	36 inch	Insertion Loss (Typ.)	0.52	0.56	0.6	0.7	0.79	dB	0.48
PE3W04805LF/HS-60	48 inch	Insertion Loss (Typ.)	0.57	0.63	0.7	0.86	1.01	dB	0.654
PE3W04805LF/HS-300	60 inch	Insertion Loss (Typ.)	1.03	1.33	1.7	2.48	3.25	dB	2.394

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.2 dB

Loss due to Connector 2: 0.25 dB

Base Weight: 0.306 pounds

Additional Weight per Inch: 0.00725 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
Weight 0.306 lbs [138.8 g]

Cable

Cable Type LMR-400-UF
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper
Dielectric Type PE (F)
Number of Shields 2
Shield Layer 1 Aluminum Tape
Shield Layer 2 Tinned Copper Braid
Jacket Material TPE, 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 0.38 lbs-ft [0.52 N-m]
Flat Plate Crush 20 lbs/in [0.36 Kg/mm]
Tensile Strength 160 lbs [72.57 Kg]

N Male Right Angle to TNC Male Right Angle Low Loss
Cable Using LMR-400-UF Coax with HeatShrink, LF Solder



PE3W04805LF/HS

Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle	TNC Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Brass, Silver
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Silver
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Silver

Environmental Specifications

Operating Range Temperature -40 to +85 deg C

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

Plotted and Other Data

Notes:

N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400-UF Coax with HeatShrink, LF Solder



PE3W04805LF/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3W04805LF/HS - xx uu



Example: PE3W04805LF/HS-12 = 12 inches long cable
PE3W04805LF/HS-100cm = 100 cm long cable

N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400-UF Coax with HeatShrink, LF Solder 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.

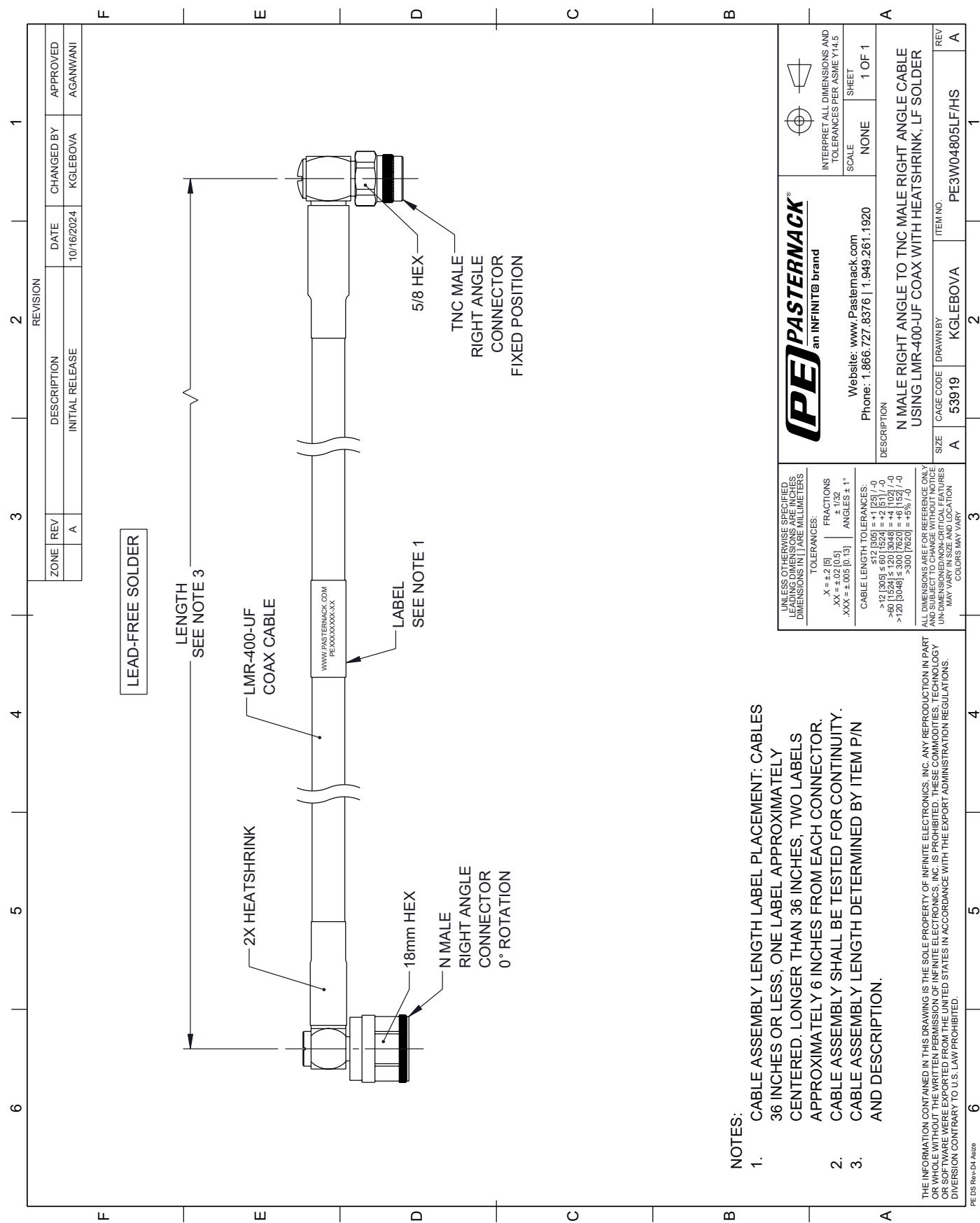
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400-UF Coax with HeatShrink, LF Solder PE3W04805LF/HS](#)

URL: <https://www.pasternack.com/n-male-right-angle-to-tnc-male-low-loss-cable-using-lmr-400-uf-with-heatshrink-lf-solder-pe3w04805lf-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3W04805LF/HS CAD Drawing

N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400-UF Coax with HeatShrink, LF Solder



NOTES:
1. C/A
36 C/B
C/F
A/F
C/A
2. C/A
3. C/A

THE INFORMATION CO
OR WHOLE WITHOUT T
OR SOFTWARE WERE I

© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com