

UHF Male to N Male Low Loss Cable Using LMR-400-UF Coax with HeatShrink

PE3W04178/HS

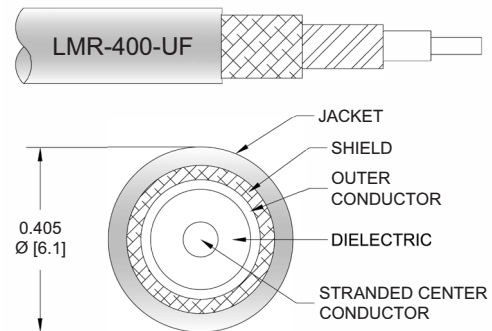


Configuration

- Connector 1: UHF Male
- Connector 2: N Male
- Cable Type: LMR-400-UF
- Coax Flex Type: Flexible

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04178/HS UHF male to type N male 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 UHF to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400-UF 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		1.07 [3.51]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ohms/1000ft [Ohms/Km]
Jacket Spark			8,000	Vrms

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]

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Weight	0.201 lbs [91.17 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]

Connectors

Description	Connector 1	Connector 2
Type	UHF Male	N Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Gold	Brass, Gold
Contact Plating Specification		15 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal
Hex Size		18 mm

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W04178/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3W04178/HS

- xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3W04178/HS-12 = 12 inches long cable
PE3W04178/HS-100cm = 100 cm long cable

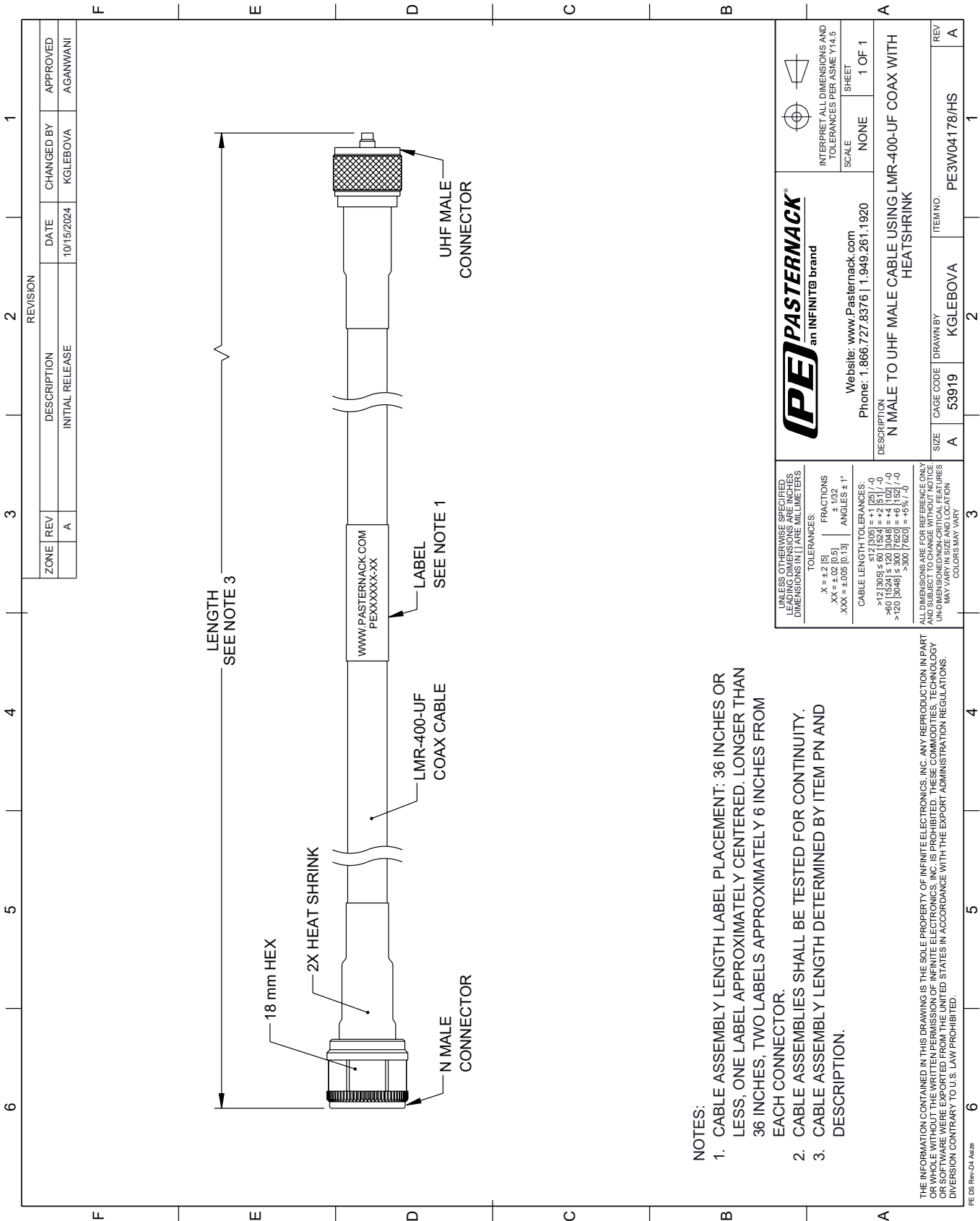
UHF Male to N Male Low Loss Cable Using LMR-400-UF Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male to N Male Low Loss Cable Using LMR-400-UF Coax with HeatShrink PE3W04178/HS](https://www.pasternack.com/uhf-male-to-n-male-low-loss-cable-using-lmr-400-uf-with-heatshrink-pe3w04178-hs-p.aspx)

URL: <https://www.pasternack.com/uhf-male-to-n-male-low-loss-cable-using-lmr-400-uf-with-heatshrink-pe3w04178-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.

PE3W04178/HS CAD Drawing
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- 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.
 - 2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 - 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

PE PASTERNAK an INFINITE® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.		TOLERANCES:		SCALE	
X = ±.2 [5]		FRACTIONS ± 1/32		NONE	
.XX = ±.02 [0.5]		ANGLES ± 1°		SHEET	
.XXX = ±.005 [0.13]		CABLE LENGTH TOLERANCES:		1 OF 1	
		<12 [305] ± .60 [15.24] = ±.2 [5] / -0			
		>12 [305] ≤ 60 [1524] = ±.2 [5] / -0			
		>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0			
		>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0			
		>300 [7620] = ±.6% / -0			
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE BASED ON THE DRAWING. UNLESS OTHERWISE SPECIFIED, DIMENSIONS SHALL BE BASED ON THE DRAWING. UNLESS OTHERWISE SPECIFIED, DIMENSIONS SHALL BE BASED ON THE DRAWING.		DESCRIPTION			
		N MALE TO UHF MALE CABLE USING LMR-400-UF COAX WITH HEATSHRINK			
SIZE		CAGE CODE		ITEM NO.	
A		53919		PE3W04178/HS	
DRAWN BY		KGLEBOVA		REV	
A		2		A	