

UHF Male to N Male Low Loss Cable Using LMR-LW400 Coax with HeatShrink



PE3W12762/HS

Configuration

- Connector 1: UHF Male
- Connector 2: N Male
- Cable Type: LMR-LW400
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W12762/HS UHF male to type N male cable using LMR-LW400 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-LW400 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		84		%
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]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		6.1 [20.01]		Ohms/1000ft [Ohms/Km]
Jacket Spark			8,000	Vrms

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.114 lbs [51.71 g]

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Cable

Cable Type	LMR-LW400
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	Foam PE
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Aluminum
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	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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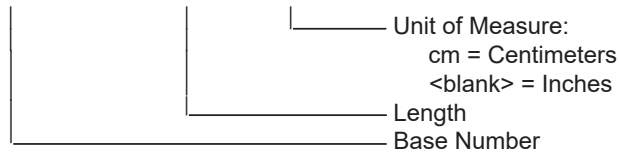
PE3W12762/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3W12762/HS - xx uu



Example: PE3W12762/HS-12 = 12 inches long cable
PE3W12762/HS-100cm = 100 cm long cable

UHF Male to N Male Low Loss Cable Using LMR-LW400 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.

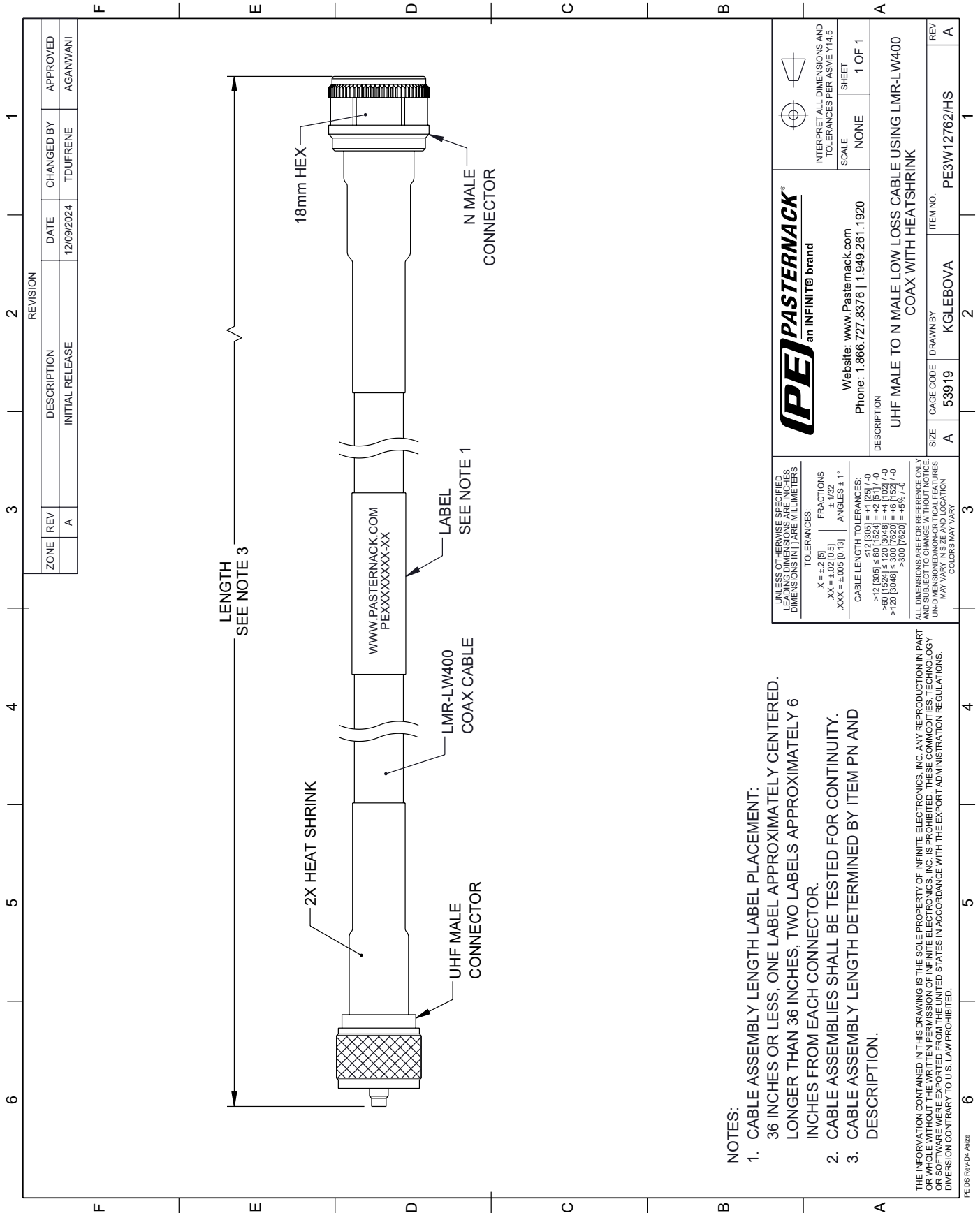
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male to N Male Low Loss Cable Using LMR-LW400 Coax with HeatShrink PE3W12762/HS](https://www.pasternack.com/uhf-male-to-n-male-low-loss-cable-using-lmr-lw400-with-heatshrink-pe3w12762-hs)

URL: <https://www.pasternack.com/uhf-male-to-n-male-low-loss-cable-using-lmr-lw400-with-heatshrink-pe3w12762-hs-p.aspx>

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PE3W12762/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.

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PE DS Rev-04 A1822

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN PAREMILLIMETERS					
TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]		FRACTIONS ± 1/32 ANGLES ± 1°		SCALE NONE	
CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = +1 [25] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +5 [127] / -0 >300 [7620] = +5 [127] / -0		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SHEET 1 OF 1	
ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED. DIMENSIONS ON CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		DESCRIPTION UHF MALE TO N MALE LOW LOSS CABLE USING LMR-LW400 COAX WITH HEATSHRINK		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
ZONE REV A	DESCRIPTION INITIAL RELEASE	DATE 12/09/2024	CHANGED BY TDUFRENE	APPROVED AGANWANI	REV A
SIZE A		CAGE CODE 53919	DRAWN BY KGLEBOVA	ITEM NO. PE3W12762/HS	REV A