



## N Male to N Male Cable Using PE-SR405FL Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

**PE39443/HS**

#### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: PE-SR405FL

#### Features

- Max Frequency 11 GHz
- 69.5% Phase Velocity

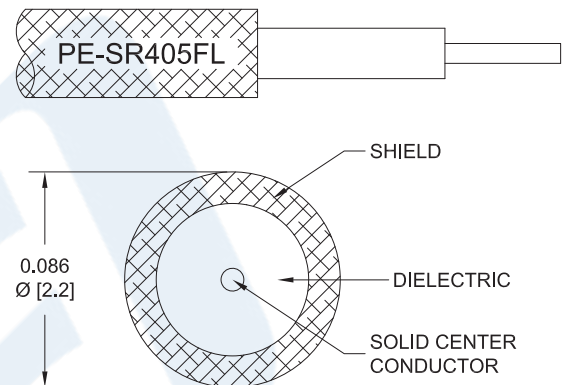
#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE39443/HS type N male to type N male cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack type N to type N cable assembly has a male to male gender configuration with 50 ohm formable PE-SR405FL coax. The PE39443/HS type N male to type N male cable assembly operates to 11 GHz.

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.



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 N Male Cable Using PE-SR405FL Coax with HeatShrink PE39443/HS](#)



## N Male to N Male Cable Using PE-SR405FL Coax with HeatShrink

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**PE39443/HS**

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		$\Omega$ /1000ft [ $\Omega$ /Km]
DC Resistance Outer Conductor		10.2 [33.46]		$\Omega$ /1000ft [ $\Omega$ /Km]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	11	GHz
Insertion Loss (Typ.)	0.15	0.225	0.346	0.549	0.85	dB/ft
	0.49	0.74	1.14	1.8	2.79	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.131 lbs [59.42 g]

##### Cable

Cable Type PE-SR405FL  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel, Silver  
 Dielectric Type PTFE  
 Number of Shields 1  
 Outer Conductor Material and Plating Copper, Tin

Repeated Minimum Bend Radius 0.78 in [19.81 mm]

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## N Male to N Male Cable Using PE-SR405FL Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

**PE39443/HS**

#### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold over Nickel	Brass, Gold over Nickel
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel

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

#### Plotted and Other Data

Notes:

#### How to Order

Part Number Configuration:

**PE39443/HS - xx uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE39443/HS-12 = 12 inches long cable  
PE39443/HS-100cm = 100 cm long cable

N Male to N Male Cable Using PE-SR405FL 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.

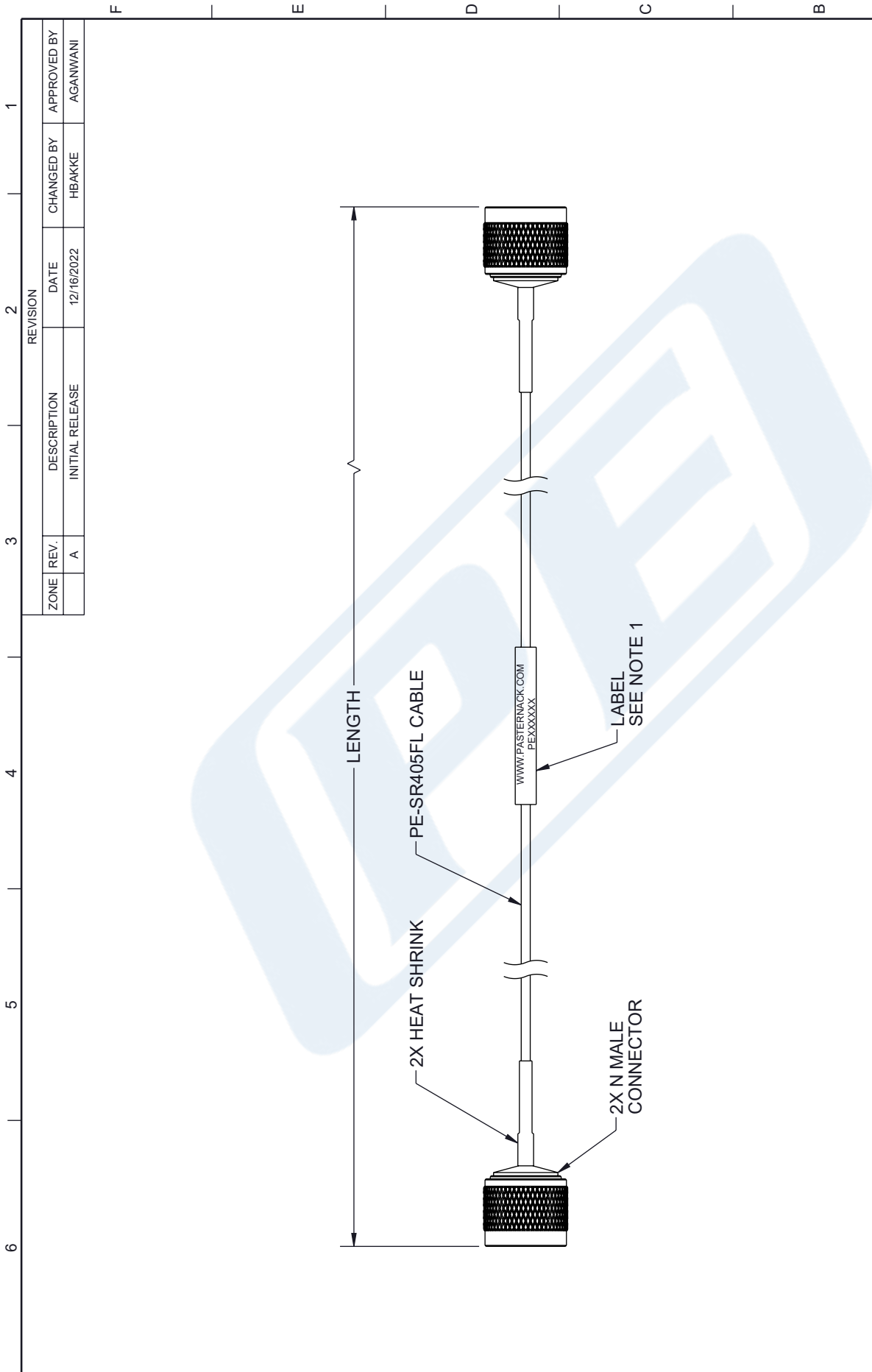
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Cable Using PE-SR405FL Coax with HeatShrink PE39443/HS](#)

URL: <https://www.pasternack.com/n-male-to-n-male-cable-using-pe-sr405fl-with-heatshrink-pe39443-hs-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.

# PE39443/HS CAD Drawing

## N Male to N Male Cable Using PE-SR405FL Coax with HeatShrink



<b>PASTERNAK</b> an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		DESCRIPTION <b>N Male to N Male Cable Using PE-SR405FL Coax with HeatShrink</b>
SIZE: A CAGE CODE: 53919 DRAWN BY: HBAKKE ITEM NO.: PE39443/HS		
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS TOLERANCES: X = ±.2 [5]    FRACTIONS ± 1/32 XX = ±.02 [.5]    ANGLES ± 1° .XXX = ±.005 [.13] CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >60 [1524] ≤ 60 [1524] = -2 [51] / -0 >120 [3048] ≤ 120 [3048] = +4 [102] / -0 >300 [7620] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		

**NOTES:**

- 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.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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