



## 75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

**PE33503/HS**

#### Configuration

- Connector 1: N Male
- Connector 2: N Female
- Cable Type: RG59

#### Features

- 66% Phase Velocity
- PVC (NC) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33503/HS 75 ohm type N male to 75 ohm type N female cable using 75 ohm RG59 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 type N cable assembly has a male to female gender configuration with 75 ohm flexible RG59 coax.

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		66		%
Capacitance		20.4 [66.93]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Weight 0.164 lbs [74.39 g]

##### Cable

Cable Type RG59  
Impedance 75 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel  
Dielectric Type PE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink PE33503/HS](#)



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Number of Shields	1
Shield Layer 1	Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.242 in [6.15 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female
Specification		MIL-STD-348
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Brass, Gold	Silver
Contact Plating Specification	30 µin minimum	QQ-S-365
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	QQ-N-290
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

#### Environmental Specifications

##### Temperature

Operating Range	-25 to +165 deg C
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**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink PE33503/HS](#)



## 75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink

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**PE33503/HS**

#### How to Order

Part Number Configuration:

**PE33503/HS**

- **xx**

**uu**

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

Example: PE33503/HS-12 = 12 inches long cable  
PE33503/HS-100cm = 100 cm long cable

75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 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.

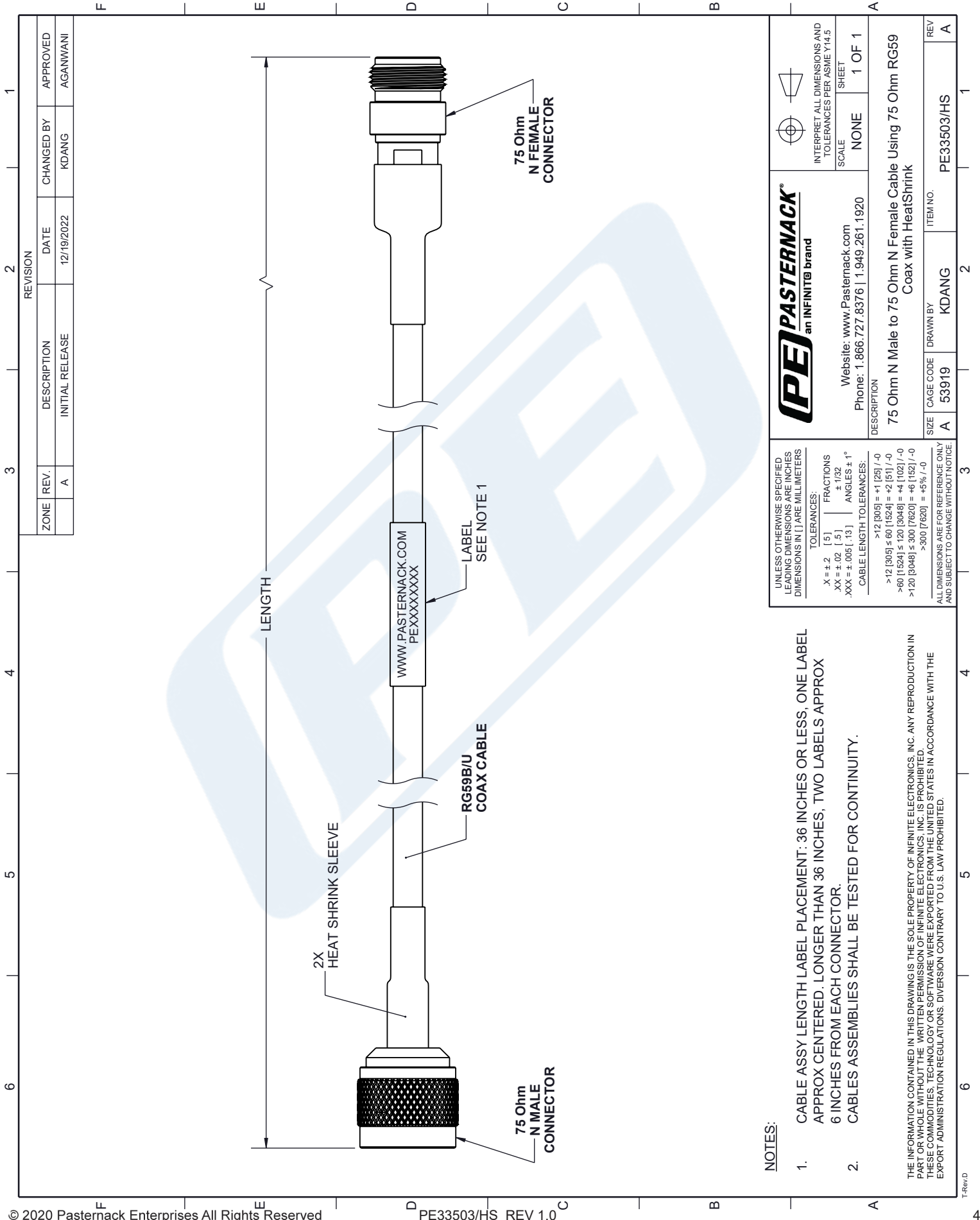
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink PE33503/HS](https://www.pasternack.com/75-ohm-n-male-to-75-ohm-n-female-cable-using-rg59-with-heatshrink-pe33503-hs-p.aspx)

URL: <https://www.pasternack.com/75-ohm-n-male-to-75-ohm-n-female-cable-using-rg59-with-heatshrink-pe33503-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.

# PE33503/HS CAD Drawing

75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink



## NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		SCALE NONE	SHEET 1 OF 1
DESCRIPTION 75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink			
SIZE A	CAGE CODE 53919	DRAWN BY KDANG	ITEM NO. PE33503/HS
REV A		1	

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES: X = ± .2 [ .5 ] XX = ± .02 [ .5 ] XXX = ± .005 [ .13 ]	FRACTIONS ± 1/32 ANGLES ± 1°
CABLE LENGTH TOLERANCES: >12 [305] = ±1 [25] / -0 >12 [305] ≤ 60 [1524] = ±2 [51] / -0 >60 [1524] ≤ 120 [3048] = ±4 [102] / -0 >120 [3048] ≤ 300 [7620] = ±6 [152] / -0 >300 [7620] = ±5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	