



## 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
- Coax Flex Type: Flexible

#### 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  
 Number of Shields 1

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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Shield Layer 1  
Jacket Material  
Jacket Diameter

Copper Braid  
PVC (NC), Black  
0.242 in [6.15 mm]

### Connectors

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

### Environmental Specifications

#### Temperature

Operating Range

-25 to +165 deg C

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

### Plotted and Other Data

Notes:

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## 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.

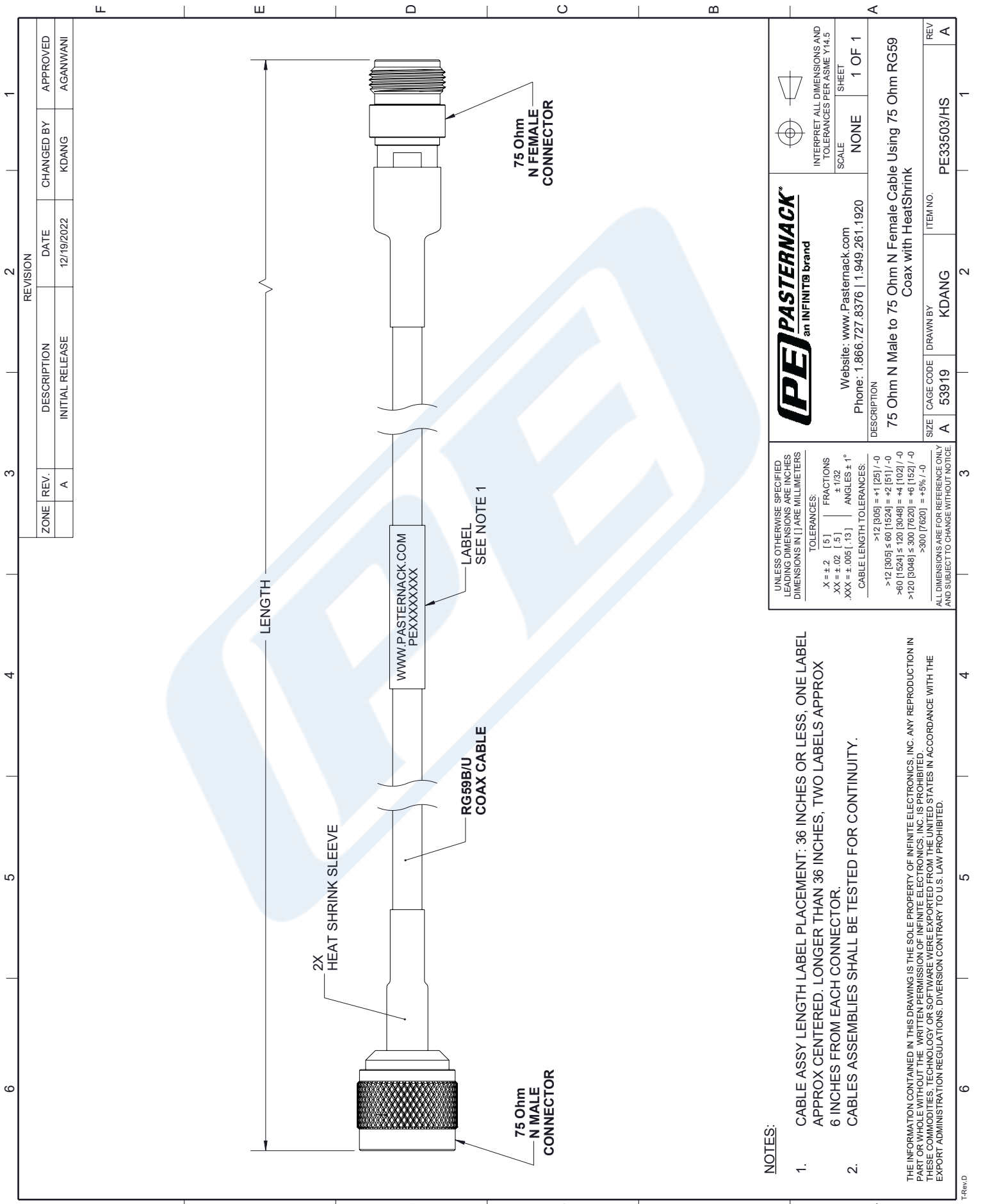
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male to 75 Ohm N Female Cable Using 75 Ohm RG59 Coax with HeatShrink PE33503/HS](#)

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



ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	12/19/2022	KDANG	AGANWANI

REVISION	
1	

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Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
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	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KDANG	PE33503/HS

REV A

**NOTES:**

- 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.
- CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 X = ± 2 [ .5 ] FRACTIONS  
 .XX = ± .02 [ .5 ] ± 1/32  
 .XXX = ± .005 [ .13 ] 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

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