



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

### RF Cable Assemblies Technical Data Sheet

**PE3C1729/HS**

#### Configuration

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

#### Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC (NC) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1729/HS 75 ohm type N male to 75 ohm type F male 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 F cable assembly has a male to male gender configuration with 75 ohm flexible RG59 coax. The PE3C1729/HS type N male to type F male cable assembly operates to 1 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Velocity of Propagation		66		%
Capacitance	20.4 [66.93]			pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.03	0.038	0.059	0.086	0.126	dB/ft
	0.1	0.12	0.19	0.28	0.41	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.

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 F Male Cable Using 75 Ohm RG59 Coax with HeatShrink PE3C1729/HS](#)



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#### Mechanical Specifications

##### Cable Assembly

Weight 0.108 lbs [48.99 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
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	F Male
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Brass, Gold	Brass, Nickel
Contact Plating Specification	30 $\mu$ in minimum	100 $\mu$ in minimum
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in minimum	100 $\mu$ in minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	100 $\mu$ in minimum
Hex Size		7/16 inch
Torque		12 in-lbs [1.36 Nm]

#### Environmental Specifications

##### Temperature

Operating Range -25 to +70 deg C

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

#### Plotted and Other Data

Notes:

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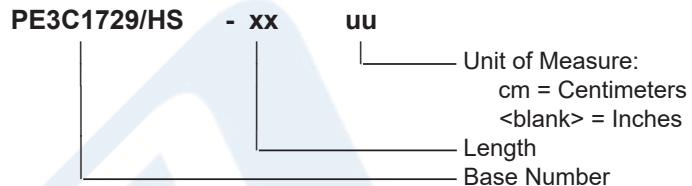
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#### How to Order

Part Number Configuration:



Example: PE3C1729/HS-12 = 12 inches long cable  
PE3C1729/HS-100cm = 100 cm long cable

75 Ohm N Male to 75 Ohm F Male 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 F Male Cable Using 75 Ohm RG59 Coax with HeatShrink PE3C1729/HS](#)

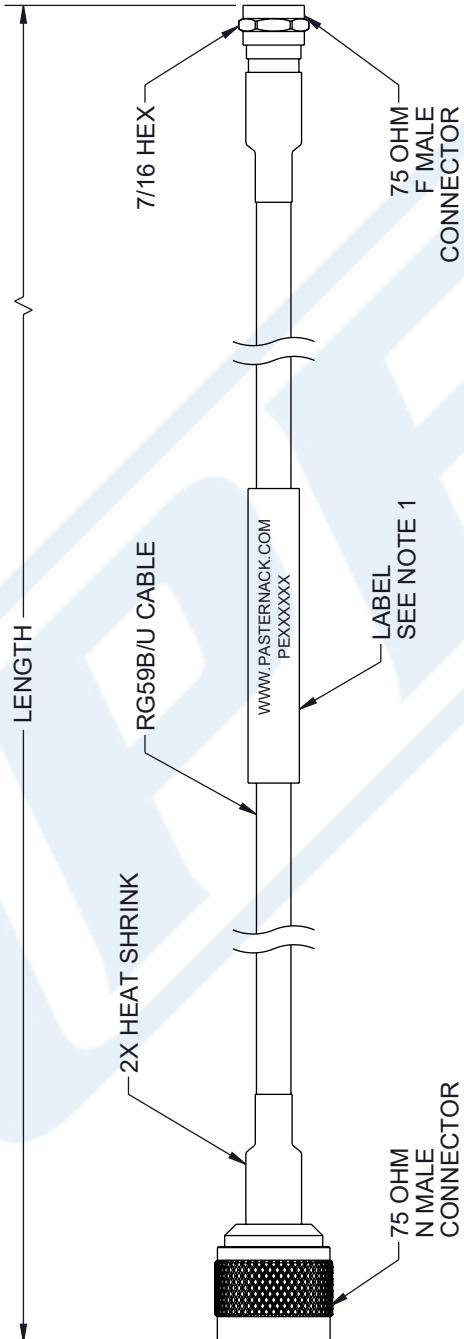
URL: <https://www.pasternack.com/75-ohm-n-male-to-75-ohm-f-male-cable-using-rg59-with-heatshrink-pe3c1729-hs-p.aspx>

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PE3C1729/HS CAD Drawing

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

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	12/18/2022	HBAKKE	AGANWANI



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. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 2.

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