



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 µin minimum	100 µin minimum
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin 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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### How to Order

Part Number Configuration:

**PE3C1729/HS**

- **xx**

**uu**

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

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](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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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.

# PE3C1729/HS CAD Drawing

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