

## 75 Ohm F Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG6-CATV Coax with HeatShrink



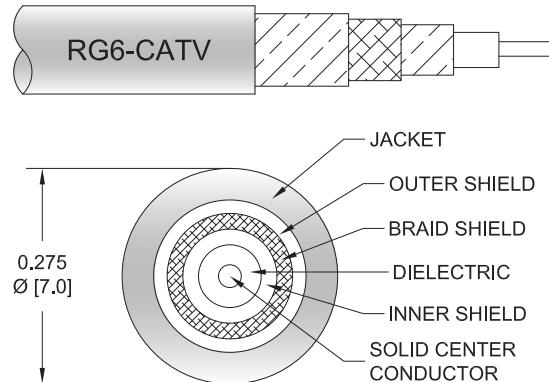
### PE37112/HS

#### Configuration

- Connector 1: F Male
- Connector 2: F Female Bulkhead
- Cable Type: RG6-CATV
- Coax Flex Type: Flexible

#### Features

- Max Frequency 1 GHz
- Shielding Effectivity > 70 dB
- 85% Phase Velocity
- Triple Shielded
- PVC (NC) Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE37112/HS 75 ohm type F male to 75 ohm type F female bulkhead cable using 75 ohm RG6-CATV 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 F to type F cable assembly has a male to female gender configuration with 75 ohm flexible RG6-CATV coax. The PE37112/HS type F male to type F female cable assembly operates to 1 GHz. Our RF cable assembly with type F bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The triple shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 70 dB.

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
VSWR			1.4:1	
Velocity of Propagation		85		%
RF Shielding	70			dB
Capacitance		16.2 [53.15]		pF/ft [pF/m]

#### Specifications by Frequency

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### PE37112/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	1000	MHz	
PE37112/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.006 0.02	0.013 0.05	0.033 0.11	0.046 0.16	0.066 0.22	dB/ft dB/m	
PE37112/HS-24	24 inch	Insertion Loss (Typ.)	0.22	0.23	0.27	0.3	0.34	dB	0.106
PE37112/HS-36	36 inch	Insertion Loss (Typ.)	0.22	0.24	0.3	0.34	0.4	dB	0.133
PE37112/HS-48	48 inch	Insertion Loss (Typ.)	0.23	0.26	0.34	0.39	0.47	dB	0.16
PE37112/HS-60	60 inch	Insertion Loss (Typ.)	0.23	0.27	0.37	0.43	0.53	dB	0.187
PE37112/HS-72	72 inch	Insertion Loss (Typ.)	0.24	0.28	0.4	0.48	0.6	dB	0.214

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB  
Loss due to Connector 2: 0.1 dB  
Base Weight: 0.079 pounds  
Additional Weight per Inch: 0.00225 pounds

### Mechanical Specifications

#### Cable Assembly

Weight 0.079 lbs [35.83 g]

#### Cable

Cable Type	RG6-CATV
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	3
Shield Layer 1	Aluminum Tape
Shield Layer 2	Aluminum Braid
Shield Layer 3	Aluminum Tape
Jacket Material	PVC (NC), Black
Jacket Diameter	0.275 in [6.99 mm]
One Time Minimum Bend Radius	1.37 in [34.8 mm]

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### PE37112/HS

#### Connectors

Description	Connector 1	Connector 2
Type	F Male	F Female Bulkhead
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		30 $\mu$ in minimum
Dielectric Type	PTFE	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	
Coupling Nut Plating Specification	100 $\mu$ in minimum	
Hex Size	7/16 in	
Torque	15 in-lbs 1.7 Nm	

#### Environmental Specifications

Operating Range Temperature -40 to +80 deg C

#### Compliance Certifications

(see product page for current document)

#### Plotted and Other Data

Notes:

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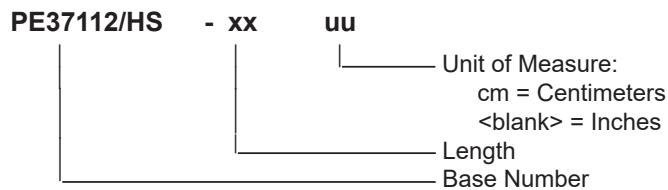


### PE37112/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE37112/HS-12 = 12 inches long cable  
PE37112/HS-100cm = 100 cm long cable

75 Ohm F Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG6-CATV 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.

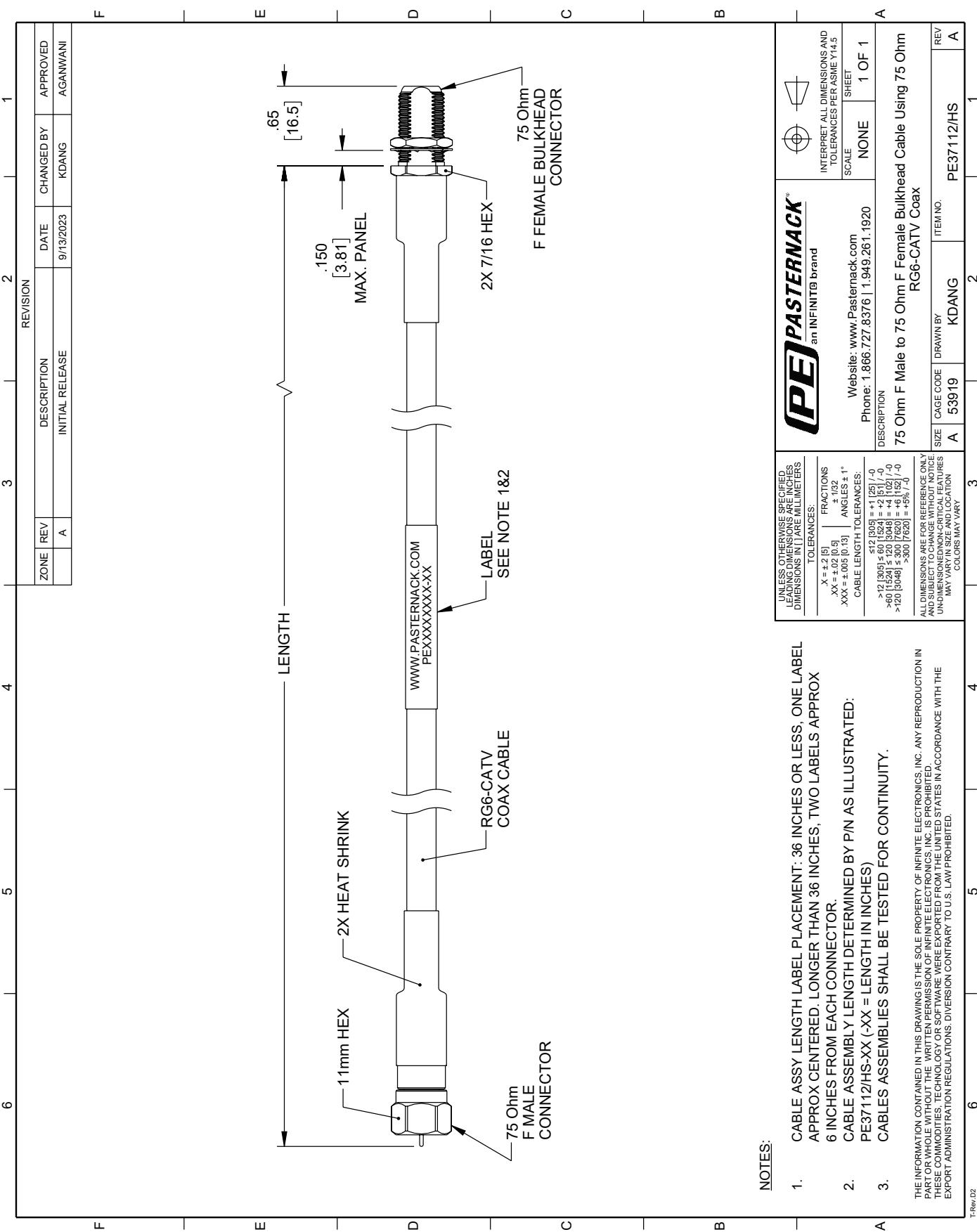
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG6-CATV Coax with HeatShrink PE37112/HS](#)

URL: <https://www.pasternack.com/75-ohm-f-male-to-75-ohm-f-female-bulkhead-cable-using-rg6-catv-with-heatshrink-pe37112-hs-p.aspx>

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# PE37112/HS CAD Drawing

75 Ohm F Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG6-CATV Coax with HeatShrink



ZONE	REV	DESCRIPTION	INITIAL RELEASE	REVISION	DATE	CHANGED BY	APPROVED
A	A			9/13/2023		KDANG	AGANWANI

<b>PE37112HS</b>	<b>PASTERNAK<sup>®</sup></b> an INFINITI <sup>®</sup> brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
REV A	WEBSITE: <a href="http://www.pasternack.com">www.pasternack.com</a>	SCALE: 1 OF 1	ITEM NO. PE37112HS
	PHONE: 1.866.727.8376   1.949.261.1920	DESCRIPTION: 75 Ohm F Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG6-CATV Coax	REV A