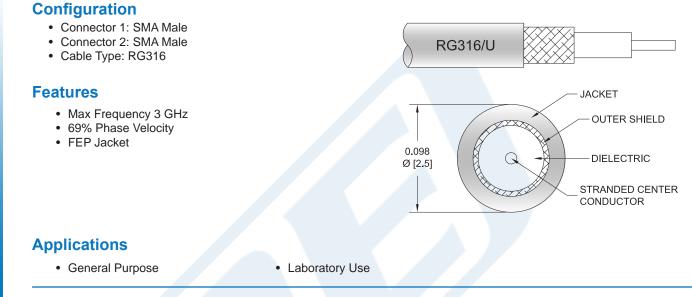




## RF Cable Assemblies Technical Data SheetPE3W02070/HS-24



#### Description

Pasternack's PE3W02070/HS-24 SMA male to SMA male 24 inch cable using RG316 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 SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG316 coax. The PE3W02070/HS-24 SMA male to SMA male cable assembly operates to 3 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		3	GHz	
VSWR			1.4:1		
Velocity of Propagation		69		%	
Capacitance		29.4 [96.46]		pF/ft [pF/m]	
DC Resistance Inner Conductor		8.41 [27.59]		Ω/1000ft [Ω/Km]	
Jacket Spark			2,000	Vrms	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to SMA Male Cable 24 Inch Length Using RG316 Coax with HeatShrink PE3W02070/HS-24

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com





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#### **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.42	0.52	0.68	0.96	1.36	dB

**Electrical Specification Notes:** 

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss Includes an estimated insertion loss of 0.2dB of connector loss.

### **Mechanical Specifications**

Cable Assembly Length\*

#### Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Jacket Material Jacket Diameter 24 in [609.6 mm]

RG316 50 Ohms Stranded Copper Clad Steel, Silver PTFE 1 Silver Plated Copper Braid FEP, Tan 0.102 in [2.59 mm]

#### Connectors

Description	Connector 1	Connector 2 SMA Male	
Гуре	SMA Male		
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Gold	Brass, Gold	
Coupling Nut Material and Plating	Brass, Gold	Brass, Gold	
Hex Size	5/16 in	5/16 in	
Torque	5 in-lbs [0.57 Nm]	5 in-lbs [0.57 Nm]	

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

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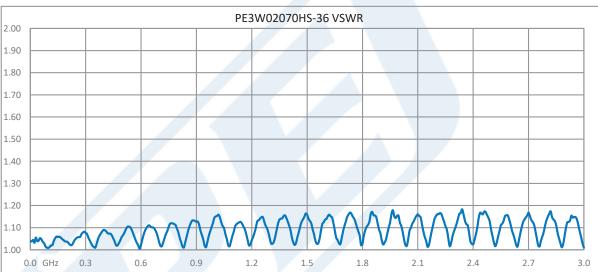
## **RF Cable Assemblies Technical Data Sheet**

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

### Plotted and Other Data

Notes:

#### Typical Performance Data



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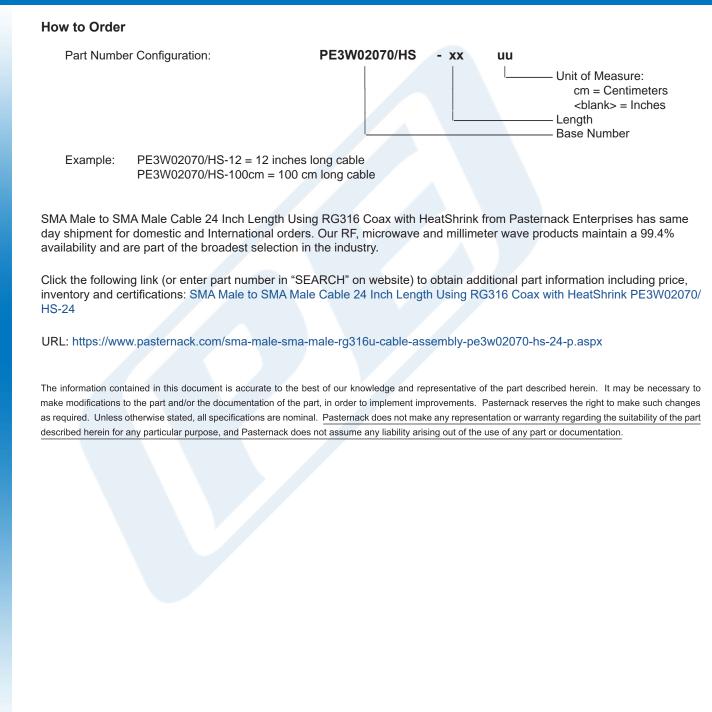
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PE3W02070/HS-24 CAD Drawing SMA Male to SMA Male Cable 24 Inch Length Using RG316 Coax with HeatShrink

