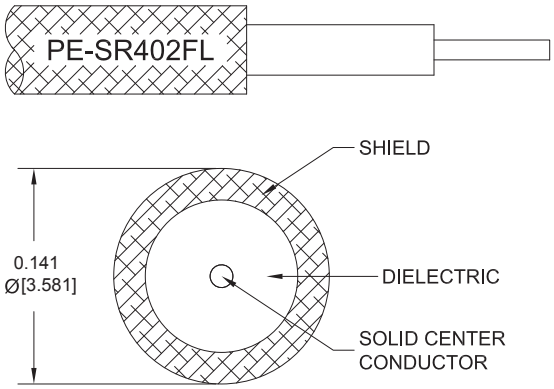
SMA Female to SMA Female Cable Using PE-SR402FL Coax with HeatShrink

PE33964/HS

Configuration

- Connector 1: SMA Female
- Connector 2: SMA Female
- Cable Type: PE-SR402FL
- Coax Flex Type: Formable



Features

- Max Frequency 18 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33964/HS SMA female to SMA female cable using PE-SR402FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMA to SMA cable assembly has a female to female gender configuration with 50 ohm formable PE-SR402FL coax. The PE33964/HS SMA female to SMA female cable assembly operates to 18 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		18	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		7.8 [25.59]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		5.5 [18.04]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4500	9000	18000	MHz	
PE33964/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.12	0.163	0.269	0.418	0.65	dB/ft	
			0.4	0.54	0.89	1.38	2.14	dB/m	
PE33964/HS-6	6 In	Insertion Loss (Typ.)	0.26	0.29	0.34	0.41	0.53	dB	0.019
PE33964/HS-9	9 In	Insertion Loss (Typ.)	0.29	0.33	0.41	0.52	0.69	dB	0.025
PE33964/HS-12	12 In	Insertion Loss (Typ.)	0.32	0.37	0.47	0.62	0.85	dB	0.031
PE33964/HS-18	18 In	Insertion Loss (Typ.)	0.38	0.45	0.61	0.83	1.18	dB	0.044
PE33964/HS-24	24 In	Insertion Loss (Typ.)	0.44	0.53	0.74	1.04	1.5	dB	0.057

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:	0.031	pounds
Additional Weight per Inch:	0.00209	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	lbs [0 g]

Cable

Cable Type	PE-SR402FL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Repeated Minimum Bend Radius	0.625 in [15.88 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold

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Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE33964/HS - xx uu

- uu — Unit of Measure: cm = Centimeters; <blank> = Inches
- xx — Length
- PE33964/HS — Base Number

Example: PE33964/HS-12 = 12 inches long cable
PE33964/HS-100cm = 100 cm long cable

SMA Female to SMA Female Cable Using PE-SR402FL 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: SMA Female to SMA Female Cable Using PE-SR402FL Coax with HeatShrink PE33964/HS

URL: https://www.pasternack.com/sma-female-to-sma-female-cable-using-pe-sr402fl-with-heatshrink-pe33964-hs-p.aspx

PE33964/HS CAD Drawing

SMA Female to SMA Female Cable Using PE-SR402FL Coax with HeatShrink