

## Mini SMP Female to 2.92mm Male Cable Using PE-SR405FLJ Coax with HeatShrink



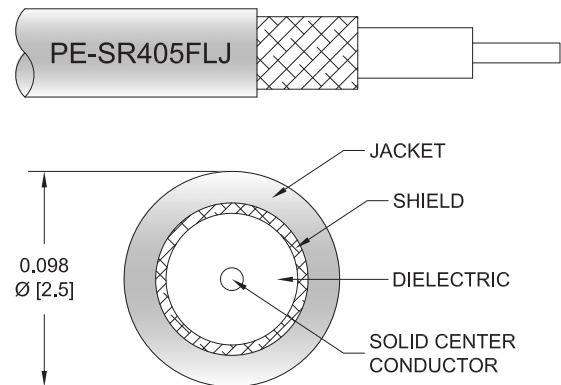
### PE3C1104/HS

#### Configuration

- Connector 1: Mini SMP Female
- Connector 2: 2.92mm Male
- Cable Type: PE-SR405FLJ
- Coax Flex Type: Formable

#### Features

- Max Frequency 40 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1104/HS Mini SMP female to 2.92mm male cable using PE-SR405FLJ 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 Mini SMP to 2.92mm cable assembly has a female to male gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3C1104/HS Mini SMP female to 2.92mm male cable assembly operates to 40 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		40	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]
Operating Voltage (AC)			170	Vrms

#### Specifications by Frequency

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### PE3C1104/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4500	9000	20000	MHz	
PE3C1104/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.225	0.306	0.509	0.759	1.2	dB/ft	
			0.74	1.01	1.67	2.5	3.94	dB/m	
PE3C1104/HS-6	6 In	Insertion Loss (Typ.)	0.48	0.52	0.62	0.74	0.96	dB	0.023
PE3C1104/HS-9	9 In	Insertion Loss (Typ.)	0.53	0.59	0.75	0.93	1.26	dB	0.027
PE3C1104/HS-12	12 In	Insertion Loss (Typ.)	0.59	0.67	0.87	1.12	1.56	dB	0.03
PE3C1104/HS-18	18 In	Insertion Loss (Typ.)	0.7	0.82	1.13	1.5	2.16	dB	0.038
PE3C1104/HS-24	24 In	Insertion Loss (Typ.)	0.81	0.98	1.38	1.88	2.76	dB	0.045

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:	0.26 dB
Base Weight:	0.03 pounds
Additional Weight per Inch:	0.00117 pounds

## Mechanical Specifications

### Cable Assembly

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

### Cable

Cable Type	PE-SR405FLJ
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor 1 Material and Plating	Tinned Copper Composite Braid
Jacket Material	FEP, Black
Jacket Diameter	0.105 in [2.67 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	0.787 in [19.99 mm]

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### PE3C1104/HS

#### Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Female	2.92mm Male
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold over Nickel
Contact Plating Specification		50 µin minimum
Dielectric Type	PTFE	PCTFE
Body Material and Plating	Beryllium Copper, Gold	Passivated Stainless Steel
Body Plating Specification		SAE-AMS-2700
Coupling Nut Material and Plating		Passivated Stainless Steel
Coupling Nut Plating Specification		SAE-AMS-2700
Hex Size		5/16 inch
Torque		8 in-lbs 0.9 Nm

#### Environmental Specifications

Operating Range Temperature -55 to +125 deg C

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

#### Plotted and Other Data

Notes:

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### PE3C1104/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C1104/HS**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length  
Base Number

Example: PE3C1104/HS-12 = 12 inches long cable  
PE3C1104/HS-100cm = 100 cm long cable

Mini SMP Female to 2.92mm Male Cable Using PE-SR405FLJ 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: [Mini SMP Female to 2.92mm Male Cable Using PE-SR405FLJ Coax with HeatShrink PE3C1104/HS](#)

URL: <https://www.pasternack.com/mini-smp-female-to-2.92mm-male-cable-using-pe-sr405flj-with-heatshrink-pe3c1104-hs-p.aspx>

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PE3C1104/HS CAD Drawing

Mini SMP Female to 2.92mm Male Cable Using PE-SR405FLJ Coax with HeatShrink

