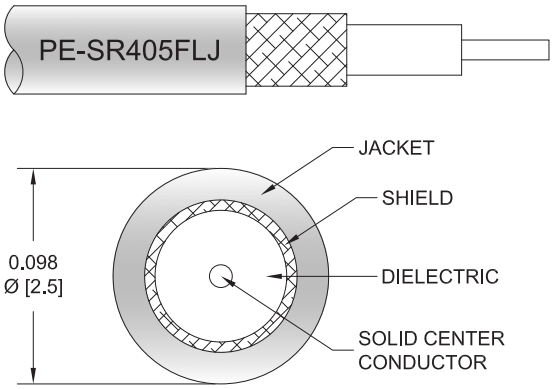
SMA Female to Push-On SMP Male 2 Hole Flange Cable Using PE-SR405FLJ Coax

PE3W05454

Configuration

- Connector 1: SMA Female
- Connector 2: Push-On SMP Male 2 Hole Flange
- Cable Type: PE-SR405FLJ
- Coax Flex Type: Formable



Features

- Max Frequency 18 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W05454 SMA female to SMP male push-on 2 hole flange 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 SMA to SMP cable assembly has a female to male gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W05454 SMA female to SMP male cable assembly operates to 18 GHz. Our RF cable assembly with SMP 2 hole flange 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.

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	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)			335	Vrms

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	
PE3W05454	Custom Lengths Available	Insertion Loss (Typ.)	0.225	0.306	0.509	0.759	1.122	dB/ft	
			0.74	1.01	1.67	2.5	3.69	dB/m	
PE3W05454-6	6 inch	Insertion Loss (Typ.)	0.32	0.36	0.46	0.58	0.77	dB	0.021
PE3W05454-9	9 inch	Insertion Loss (Typ.)	0.37	0.43	0.59	0.77	1.05	dB	0.025
PE3W05454-12	12 inch	Insertion Loss (Typ.)	0.43	0.51	0.71	0.96	1.33	dB	0.028
PE3W05454-18	18 inch	Insertion Loss (Typ.)	0.54	0.66	0.97	1.34	1.89	dB	0.036
PE3W05454-24	24 inch	Insertion Loss (Typ.)	0.65	0.82	1.22	1.72	2.45	dB	0.043

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:	0.028	pounds
Additional Weight per Inch:	0.00117	pounds

Mechanical Specifications

Cable Assembly

Weight	0.028 lbs [12.7 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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Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMP Male 2 Hole Flange
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Connection Method		Push-On
Contact Material and Plating	Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204	30µ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Stainless Steel, Gold	Brass, Gold
Body Plating Specification	MIL-G-45204	3µ in. minimum

Environmental Specifications

Operating Range Temperature	-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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Typical Performance Data

How to Order

Part Number Configuration: **PE3W05454 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W05454 — Base Number

Example: PE3W05454-12 = 12 inches long cable
PE3W05454-100cm = 100 cm long cable

SMA Female to Push-On SMP Male 2 Hole Flange Cable Using PE-SR405FLJ Coax 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 Push-On SMP Male 2 Hole Flange Cable Using PE-SR405FLJ Coax PE3W05454

URL: https://www.pasternack.com/sma-female-to-push-on-smp-male-2-hole-flange-cable-using-pe-sr405flj-pe3w05454-p.aspx

PE3W05454 CAD Drawing

SMA Female to Push-On SMP Male 2 Hole Flange Cable Using PE-SR405FLJ Coax