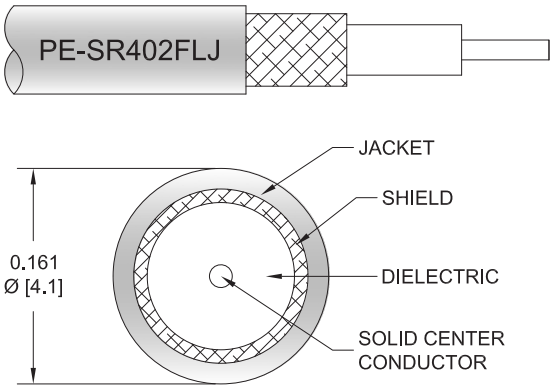
SMA Male to N Female 4 Hole Flange Cable Using PE-SR402FLJ Coax

PE3W17580

Configuration

- Connector 1: SMA Male
- Connector 2: N Female 4 Hole Flange
- Cable Type: PE-SR402FLJ
- Coax Flex Type: Formable



Features

- Max Frequency 6 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W17580 SMA male to type N female 4 hole flange cable using PE-SR402FLJ 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 type N cable assembly has a male to female gender configuration with 50 ohm formable PE-SR402FLJ coax. The PE3W17580 SMA male to type N female cable assembly operates to 6 GHz. Our RF cable assembly with type N 4 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		6	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
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		8.23 [27]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	500	1000	2500	6000	MHz	
PE3W17580	Custom Lengths Available	Insertion Loss (Typ.)	0.082	0.125	0.198	0.352	dB/ft	
			0.27	0.42	0.65	1.16	dB/m	
PE3W17580-6	6 inch	Insertion Loss (Typ.)	0.25	0.27	0.3	0.38	dB	0.107
PE3W17580-9	9 inch	Insertion Loss (Typ.)	0.27	0.3	0.35	0.47	dB	0.114
PE3W17580-12	12 inch	Insertion Loss (Typ.)	0.29	0.33	0.4	0.56	dB	0.121
PE3W17580-18	18 inch	Insertion Loss (Typ.)	0.33	0.39	0.5	0.73	dB	0.136
PE3W17580-24	24 inch	Insertion Loss (Typ.)	0.37	0.45	0.6	0.91	dB	0.151

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:	0.121	pounds
Additional Weight per Inch:	0.00242	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.121 lbs [54.88 g]

Cable

Cable Type	PE-SR402FLJ
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Outer Conductor 1 Material and Plating	Tinned Copper Braid
Jacket Material	FEP, Black
Jacket Diameter	0.161 in [4.09 mm]
One Time Minimum Bend Radius	0.315 in [8 mm]
Repeated Minimum Bend Radius	1.575 in [40.01 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	N Female 4 Hole Flange
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating		Bronze, Silver
Dielectric Type		PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Tri-Metal
Coupling Nut Material and Plating	Passivated Stainless Steel	
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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PE3W17580

Typical Performance Data

How to Order

Part Number Configuration: **PE3W17580 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W17580 — Base Number

Example: PE3W17580-12 = 12 inches long cable
PE3W17580-100cm = 100 cm long cable

SMA Male to N Female 4 Hole Flange Cable Using PE-SR402FLJ 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 Male to N Female 4 Hole Flange Cable Using PE-SR402FLJ Coax PE3W17580

URL: https://www.pasternack.com/sma-male-to-n-female-4-hole-flange-cable-using-pe-sr402flj-pe3w17580-p.aspx

PE3W17580 CAD Drawing

SMA Male to N Female 4 Hole Flange Cable Using PE-SR402FLJ Coax