

## 2.92mm Male to TNC Female Cable 18 Inch Length Using PE-SR402FLJ Coax

### PE3W17838-18

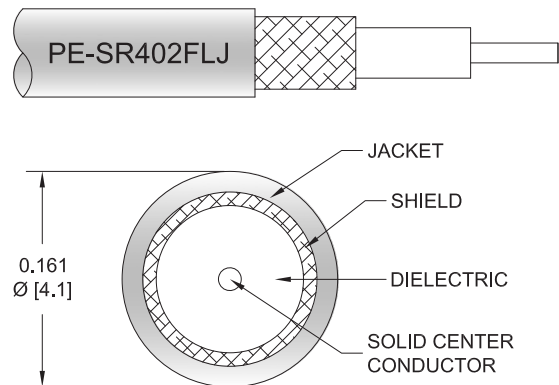


#### Configuration

- Connector 1: 2.92mm Male
- Connector 2: TNC Female
- 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 PE3W17838-18 2.92mm male to TNC female 18 inch 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 2.92mm to TNC cable assembly has a male to female gender configuration with 50 ohm formable PE-SR402FLJ coax. The PE3W17838-18 2.92mm male to TNC female cable assembly operates to 6 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		6	GHz
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]
Operating Voltage (DC)			0	

#### Mechanical Specifications

##### Cable Assembly

Length	18 in [457.2 mm]
Width/Diameter	0.5 in [12.7 mm]

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Weight	0.134 lbs [60.78 g]
<b>Cable</b>	
Cable Type	PE-SR402FLJ
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	0
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]

### Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	TNC Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	50 µin minimum	
Dielectric Type	PCTFE	PTFE
Body Material and Plating	Stainless Steel, Gold over Nickel	Brass, Nickel
Body Plating Specification	50 µin minimum	
Coupling Nut Material and Plating	Stainless Steel, Gold over Nickel	
Coupling Nut Plating Specification	50 µin minimum	
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

### Environmental Specifications

Ingress Protection (IP) Rating	N/A
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### Compliance Certifications (see [product page](#) for current document)

### Plotted and Other Data

Notes:

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**PE3W17838-18**

## Typical Performance Data

## How to Order

Part Number Configuration:

**PE3W17838**

- XX

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

- Length

- Base Number

Example: PE3W17838-12 = 12 inches long cable  
PE3W17838-100cm = 100 cm long cable

2.92mm Male to TNC Female Cable 18 Inch Length 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: [2.92mm Male to TNC Female Cable 18 Inch Length Using PE-SR402FLJ Coax PE3W17838-18](#)

URL: <https://www.pasternack.com/2.92mm-male-to-tnc-female-cable-18-inch-length-using-pe-sr402f1j-pe3w17838-18-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3W17838-18 CAD Drawing
2.92mm Male to TNC Female Cable 18 Inch Length Using PE-SR402FLJ Coax

