



## 2.92mm Male to 3.5mm Male Cable Using PE-SR402FLJ Coax

### RF Cable Assemblies Technical Data Sheet

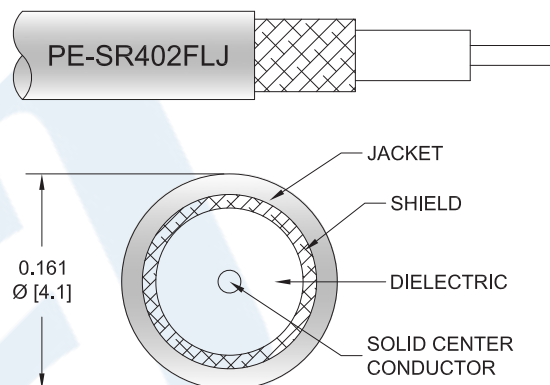
**PE3W10129**

#### Configuration

- Connector 1: 2.92mm Male
- Connector 2: 3.5mm Male
- Cable Type: PE-SR402FLJ

#### Features

- Max Frequency 34 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W10129 2.92mm male to 3.5mm male 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 3.5mm cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FLJ coax. The PE3W10129 2.92mm male to 3.5mm male cable assembly operates to 34 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.

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 3.5mm Male Cable Using PE-SR402FLJ Coax PE3W10129](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		34	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]		Ω/1000ft [Ω/Km]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	18	34	GHz
Insertion Loss (Typ.)	0.198	0.32	0.481	0.681	1.08	dB/ft
	0.65	1.05	1.58	2.23	3.54	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the 2.92mm male connector and 0.04xSQRT(FGHz) dB for the 3.5mm connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.05 lbs [22.68 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 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]

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 3.5mm Male Cable Using PE-SR402FLJ Coax PE3W10129](#)



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#### Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	3.5mm Male
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PCTFE	PCTFE
Body Material and Plating	Stainless Steel, Gold over Nickel	Passivated Stainless Steel
Body Plating Specification	50 µin minimum	SAE-AMS-2700
Coupling Nut Material and Plating	Stainless Steel, Gold over Nickel	Passivated Stainless Steel
Coupling Nut Plating Specification	50 µin minimum	SAE-AMS-2700
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

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

#### Plotted and Other Data

Notes:

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 3.5mm Male Cable Using PE-SR402FLJ Coax PE3W10129](#)



## 2.92mm Male to 3.5mm Male Cable Using PE-SR402FLJ Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W10129**

#### How to Order

Part Number Configuration:

**PE3W10129**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3W10129-12 = 12 inches long cable  
PE3W10129-100cm = 100 cm long cable

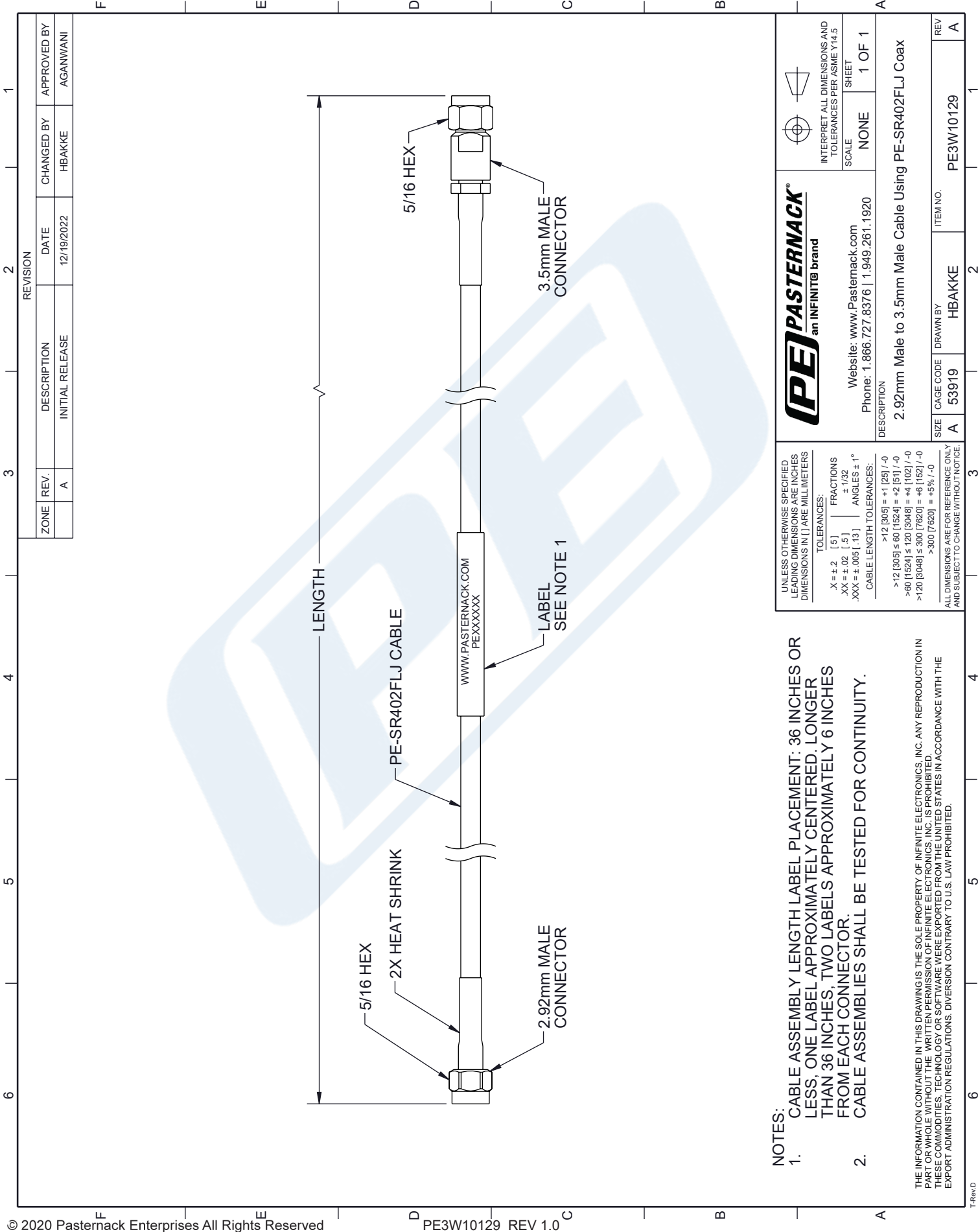
2.92mm Male to 3.5mm Male Cable Using PE-SR402FLJ Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 3.5mm Male Cable Using PE-SR402FLJ Coax PE3W10129](#)

URL: <https://www.pasternack.com/2.92mm-male-to-3.5mm-male-cable-using-pe-sr402flj-pe3w10129-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3W10129 CAD Drawing  
2.92mm Male to 3.5mm Male Cable Using PE-SR402FLJ Coax



- NOTES:
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
  - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		<b>PE PASTERNAK</b> an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		SCALE NONE	
X = ±.2 [ .5 ] XX = ±.02 [ .5 ] .XXX = ±.005 [ .13 ]		FRACTIONS ± 1/32 ANGLES ± 1°		SHEET 1 OF 1	
CABLE LENGTH TOLERANCES:		DESCRIPTION 2.92mm Male to 3.5mm Male Cable Using PE-SR402FLJ Coax			
>12 [305] = +1 [25] / -0					
>60 [1524] ≤ 60 [1524] = +2 [51] / -0					
>120 [3048] ≤ 120 [3048] = +4 [102] / -0					
>300 [7620] ≤ 300 [7620] = +6 [152] / -0					
>300 [7620] = +5% / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE					
		SIZE A		CAGE CODE 53919	
		DRAWN BY HBAKKE		ITEM NO. PE3W10129	
				REV A	