



3.5mm Female to 2.92mm Male Cable
100 cm Using PE-SR402AL Coax

RF Cable Assemblies Technical Data Sheet

PE3W08060-100CM

Configuration

- Connector 1: 3.5mm Female
- Connector 2: 2.92mm Male
- Cable Type: PE-SR402AL

Features

- Max Frequency 36 GHz

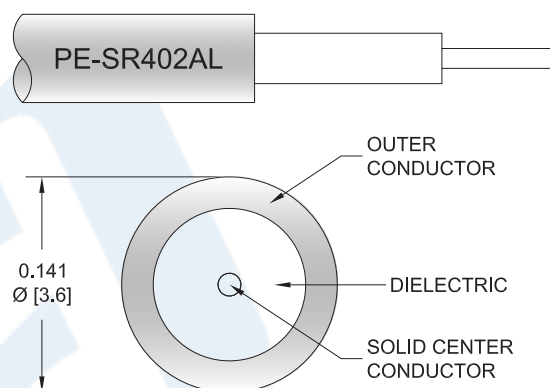
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08060-100CM 3.5mm female to 2.92mm male 100 cm cable using PE-SR402AL coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack 3.5mm to 2.92mm cable assembly has a female to male gender configuration with 50 ohm semi-rigid PE-SR402AL coax. The PE3W08060-100CM 3.5mm female to 2.92mm male cable assembly operates to 36 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: [3.5mm Female to 2.92mm Male Cable 100 cm Using PE-SR402AL Coax PE3W08060-100CM](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		36	GHz
VSWR			1.5:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	18	36	GHz
Insertion Loss (Max.)	0.81	1.11	1.71	2.37	3.85	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss is estimated as 0.1 dB per 3.5mm female and 2.92mm male connector.

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Diameter	0.351 in [8.92 mm]

Cable

Cable Type	PE-SR402AL
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 Material and Plating	Tinned Aluminum
Repeated Minimum Bend Radius	0.15 in [3.81 mm]

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Connectors

Description	Connector 1	Connector 2
Type	3.5mm Female	2.92mm Male
Impedance	50 Ohms	50 Ohms
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
Outer Conductor Material and Plating	Passivated Stainless Steel	Stainless Steel, Gold over Nickel
Body Material and Plating	Passivated Stainless Steel	Stainless Steel, Gold over Nickel
Body Plating Specification	SAE-AMS-2700	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

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W08060

- **xx**

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

Example: PE3W08060-12 = 12 inches long cable
PE3W08060-100cm = 100 cm long cable

3.5mm Female to 2.92mm Male Cable 100 cm Using PE-SR402AL 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: [3.5mm Female to 2.92mm Male Cable 100 cm Using PE-SR402AL Coax PE3W08060-100CM](https://www.pasternack.com/3.5mm-female-2.92mm-male-pe-sr402al-cable-assembly-pe3w08060-100cm-p.aspx)

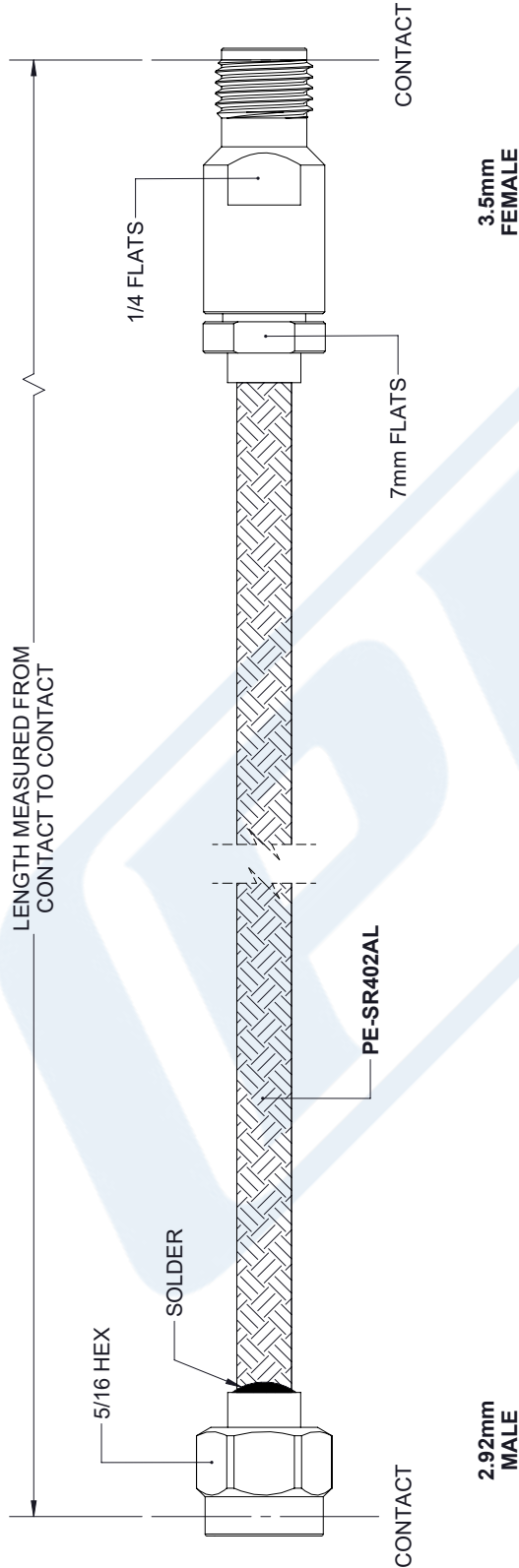
URL: <https://www.pasternack.com/3.5mm-female-2.92mm-male-pe-sr402al-cable-assembly-pe3w08060-100cm-p.aspx>

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.

PE3W08060-100CM CAD Drawing

3.5mm Female to 2.92mm Male Cable 100 cm Using PE-SR402AL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/22/2020	S.ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ± .2	[.08]
.XX = ± .02	[.51]
.XXX = ± .005	[.13]
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305] = +1 [25] / -0	
12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
300 [7620] < L = +5% L / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

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SIZE	CAGE CODE
A	53919
DRAWN BY	ITEM NO.
K.DANG	PE3W08060
REV	A

THIRD-ANGLE PROJECTION	
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SHEET	1 OF 1
SCALE	N/A