

2.92mm Male Right Angle to 2.92mm Male Right Angle Cable Using PE-118SR Semi-Rigid Coax



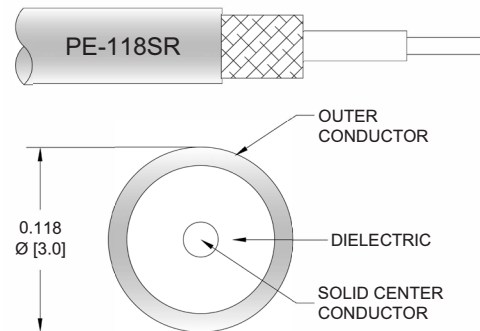
PE3C10458

Configuration

- Connector 1: 2.92mm Male Right Angle
- Connector 2: 2.92mm Male Right Angle
- Cable Type: PE-118SR
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 40 GHz
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C10458 2.92mm male right angle to 2.92mm male right angle cable using PE-118SR 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 2.92mm to 2.92mm cable assembly has a male to male gender configuration with 50 ohm semi-rigid PE-118SR coax. The PE3C10458 2.92mm male to 2.92mm male cable assembly operates to 40 GHz. The right angle 2.92mm interfaces on the PE-118SR cable allow for easier connections in tight spaces.

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		40	GHz
VSWR			1.4:1	

Specifications by Frequency

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PE3C10458

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	2500	5000	10000	20000	MHz	
PE3C10458	Custom Lengths Available	Insertion Loss (Typ.)	0.175	0.258	0.425	0.625	dB/ft	
			0.58	0.85	1.4	2.06	dB/m	
PE3C10458-6	6 Inch	Insertion Loss (Typ.)	0.49	0.53	0.62	0.72	dB	0.042
PE3C10458-12	12 Inch	Insertion Loss (Typ.)	0.58	0.66	0.83	1.03	dB	0.053
PE3C10458-18	18 Inch	Insertion Loss (Typ.)	0.67	0.79	1.04	1.34	dB	0.065
PE3C10458-24	24 Inch	Insertion Loss (Typ.)	0.75	0.92	1.25	1.65	dB	0.076
PE3C10458-36	36 Inch	Insertion Loss (Typ.)	0.93	1.18	1.68	2.28	dB	0.099

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:	0.2 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.053 pounds
Additional Weight per Inch:	0.00188 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.053 lbs [24.04 g]

Cable

Cable Type	PE-118SR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE (LD)
Number of Shields	1
Shield Layer 1	Copper
Jacket Material	Tan
One Time Minimum Bend Radius	0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male Right Angle	2.92mm Male Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Mating Cycles	500	500
Contact Material and Plating	Beryllium Copper, Gold over Nickel over Copper	Beryllium Copper, Gold over Nickel over Copper
Dielectric Type	PPO	PPO
Body Material and Plating	Stainless Steel, Passivated	Stainless Steel, Passivated

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Environmental Specifications

Operating Range Temperature -40 to +105 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration: **PE3C10458 - xx uu**

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

Example: PE3C10458-12 = 12 inches long cable
PE3C10458-100cm = 100 cm long cable

2.92mm Male Right Angle to 2.92mm Male Right Angle Cable Using PE-118SR Semi-Rigid 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 Right Angle to 2.92mm Male Right Angle Cable Using PE-118SR Semi-Rigid Coax PE3C10458](#)

URL: <https://www.pasternack.com/2.92mm-male-right-angle-to-2.92mm-male-cable-using-pe-118sr-pe3c10458-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.

PE3C10458 CAD Drawing

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