

2.92mm Male to 2.92mm Female Bulkhead
Cable Using RG405 Coax

RF Cable Assemblies Technical Data Sheet

PE3C2922

Configuration

- Connector 1: 2.92mm Male
- Connector 2: 2.92mm Female Bulkhead
- Cable Type: RG405

Features

- Max Frequency 20 GHz

Applications

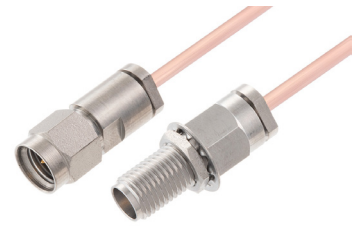
- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2922 2.92mm male to 2.92mm female bulkhead cable using RG405 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 female gender configuration with 50 ohm semi-rigid RG405 coax. The PE3C2922 2.92mm male to 2.92mm female cable assembly operates to 20 GHz. Our RF cable assembly with 2.92mm bulkhead 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.

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 2.92mm Female Bulkhead Cable Using RG405 Coax PE3C2922](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
VSWR			1.14:1	
Return Loss			-15.563	dB
Leakage		-90		dB
Operating Voltage (AC)			170	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.22	0.29	0.45	0.74	1.12	dB/ft
	0.72	0.95	1.48	2.43	3.67	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2dB connector loss.

Mechanical Specifications

Cable Assembly

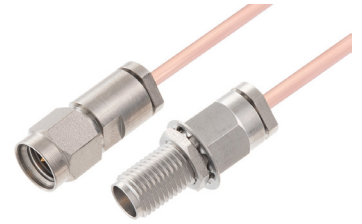
Diameter 0.312 in [7.92 mm]

Weight 0.027 lbs [12.25 g]

Cable

Cable Type RG405
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Copper
 Outer Conductor Diameter 0.087 in [2.21 mm]

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Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Female Bulkhead
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
Outer Conductor Material and Plating		Passivated Stainless Steel
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	
Coupling Nut Material and Plating	Passivated Stainless Steel	
Coupling Nut Plating Specification	SAE-AMS-2700	
Hex Size	5/16 Inch	
Seal Gasket Material	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Shock

MIL-STD 202, Method 213, Condition I

Vibration

MIL-STD 202, Method 204, Condition D

Thermal Shock

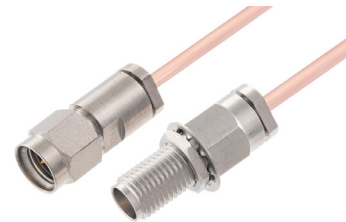
MIL-STD 202, Method 107, Condition B

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C2922

- **xx**

uu

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

Example: PE3C2922-12 = 12 inches long cable
PE3C2922-100cm = 100 cm long cable

2.92mm Male to 2.92mm Female Bulkhead Cable Using RG405 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 2.92mm Female Bulkhead Cable Using RG405 Coax PE3C2922](https://www.pasternack.com/2.92mm-male-2.92mm-female-rg405u-cable-assembly-pe3c2922-p.aspx)

URL: <https://www.pasternack.com/2.92mm-male-2.92mm-female-rg405u-cable-assembly-pe3c2922-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.