

2.92mm Male to 2.92mm Male Cable Using RG405 Coax, LF Solder

PE3C0835LF

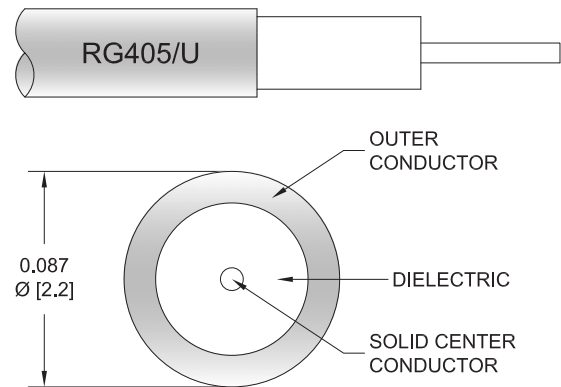


Configuration

- Connector 1: 2.92mm Male
- Connector 2: 2.92mm Male
- Cable Type: RG405
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 40 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0835LF 2.92mm male to 2.92mm male 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 male gender configuration with 50 ohm semi-rigid RG405 coax. The PE3C0835LF 2.92mm male to 2.92mm male cable assembly operates to 40 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		40	GHz
VSWR			1.4:1	

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	2500	5000	10000	20000	40000	MHz	
PE3C0835LF	Custom Lengths Available	Insertion Loss (Typ.)	0.317	0.478	0.8	1.2	2.4	dB/ft	
			1.05	1.57	2.63	3.94	7.88	dB/m	
PE3C0835LF-6	6 inch	Insertion Loss (Typ.)	0.29	0.42	0.66	0.96	1.71	dB	0.033
PE3C0835LF-12	18 inch	Insertion Loss (Typ.)	0.45	0.66	1.06	1.56	2.91	dB	0.039
PE3C0835LF-18	12 inch	Insertion Loss (Typ.)	0.61	0.9	1.46	2.16	4.11	dB	0.046
PE3C0835LF-24	24 inch	Insertion Loss (Typ.)	0.77	1.14	1.86	2.76	5.31	dB	0.053
PE3C0835LF-36	36 inch	Insertion Loss (Typ.)	1.08	1.62	2.66	3.96	7.71	dB	0.066

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: 0.04*SQRT(FGHz) dB

Loss due to Connector 2: 0.04*SQRT(FGHz) dB

Base Weight: 0.039 pounds

Additional Weight per Inch: 0.00109 pounds

Mechanical Specifications

Cable Assembly

Weight 0.039 lbs [17.69 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
Jacket Material	Tan

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Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Male
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	50 µin minimum
Dielectric Type	PCTFE	PCTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 Inch	5/16 Inch

Environmental Specifications

Operating Range Temperature -55 to +125 deg C

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

Plotted and Other Data

Notes:

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PE3C0835LF

Typical Performance Data

How to Order

Part Number Configuration:

PE3C0835LF - xx uu

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

Length

Base Number

Example: PE3C0835LF-12 = 12 inches long cable
PE3C0835LF-100cm = 100 cm long cable

2.92mm Male to 2.92mm Male Cable Using RG405 Coax, LF Solder 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 Male Cable Using RG405 Coax, LF Solder PE3C0835LF](https://www.pasternack.com/2.92mm-male-to-2.92mm-male-cable-using-rg405-lf-solder-pe3c0835lf-p.aspx)

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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.

PE3C0835LF CAD Drawing

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