

SMA Male Right Angle to MMCX Plug Right Angle Cable Using RG316 Coax, LF Solder



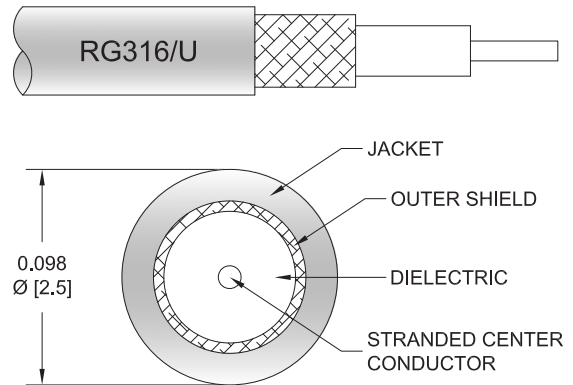
PE34730LF

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: MMCX Plug Right Angle
- Cable Type: RG316
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34730LF SMA male right angle to MMCX plug right angle cable using RG316 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to MMCX cable assembly has a male to plug gender configuration with 50 ohm flexible RG316 coax. The PE34730LF SMA male to MMCX plug cable assembly operates to 3 GHz. The right angle SMA and right angle MMCX interfaces on the RG316 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		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

SMA Male Right Angle to MMCX Plug Right Angle Cable Using RG316 Coax, LF Solder



PE34730LF

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE34730LF	Custom Lengths Available	Insertion Loss (Typ.)	0.11	0.16	0.24	0.38	0.58	dB/ft	
			0.37	0.53	0.79	1.25	1.91	dB/m	
PE34730LF-12	12 inch	Insertion Loss (Typ.)	0.51	0.56	0.64	0.78	0.98	dB	0.033
PE34730LF-24	24 inch	Insertion Loss (Typ.)	0.62	0.72	0.88	1.16	1.56	dB	0.044
PE34730LF-36	36 inch	Insertion Loss (Typ.)	0.73	0.88	1.12	1.54	2.14	dB	0.054
PE34730LF-48	48 inch	Insertion Loss (Typ.)	0.84	1.04	1.36	1.92	2.72	dB	0.064
PE34730LF-72	72 inch	Insertion Loss (Typ.)	1.06	1.36	1.83	2.68	3.88	dB	0.084

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:	0.033 pounds
Additional Weight per Inch:	0.00084 pounds

Mechanical Specifications

Cable Assembly

Weight	0.033 lbs [14.97 g]
--------	---------------------

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]

SMA Male Right Angle to MMCX Plug Right Angle Cable Using RG316 Coax, LF Solder



PE34730LF

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	MMCX Plug Right Angle
Specification	MIL-STD-348A	BS EN 122340
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	3 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 in	
Torque	5 in-lbs 0.57 Nm	

Environmental Specifications

Operating Range Temperature -55 to +155 deg C

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

Plotted and Other Data

Notes:

SMA Male Right Angle to MMCX Plug Right Angle Cable Using RG316 Coax, LF Solder



PE34730LF

Typical Performance Data

How to Order

Part Number Configuration:

PE34730LF **- xx** **uu**

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

Length

Base Number

Example: PE34730LF-12 = 12 inches long cable
 PE34730LF-100cm = 100 cm long cable

SMA Male Right Angle to MMCX Plug Right Angle Cable Using RG316 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: [SMA Male Right Angle to MMCX Plug Right Angle Cable Using RG316 Coax, LF Solder PE34730LF](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-mmcx-plug-cable-using-rg316-lf-solder-pe34730lf-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.

PE34730LF CAD Drawing
SMA Male Right Angle to MMCX Plug Right Angle Cable Using RG316 Coax, LF Solder

