

SMA Female to SMA Female Cable 60 Inch Length Using PE-SR401AL Coax , LF Solder

# **RF Cable Assemblies Technical Data Sheet**

## Configuration

- Connector 1: SMA Female
- Connector 2: SMA Female
- Cable Type: PE-SR401AL-STRAIGHT

## Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity

## **Applications**

General Purpose

Laboratory Use

## Description

Pasternack's PE3524LF-60 SMA female to SMA female 60 inch cable using PE-SR401AL 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 SMA to SMA cable assembly has a female to female gender configuration with 50 ohm semi-rigid PE-SR401AL-STRAIGHT coax. The PE3524LF-60 SMA female to SMA female cable assembly operates to 18 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		18	GHz
Velocity of Propagation		69.5		%
Capacitance		29.6 [97.11]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			7,500	Vrms

### **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.4	1	5	10	18	GHz
Insertion Loss (Typ.)	4.5	7.5	22	33	48	dB
Power Handling (Max.)	962	661	265	174	100	W

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female to SMA Female Cable 60 Inch Length Using PE-SR401AL Coax , LF Solder PE3524LF-60

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com

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## Mechanical Specifications

Cable Assembly Length\* Diameter

Weight

#### Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Jacket Diameter 60 in [152.4 cm] 0.312 in [7.92 mm]

0.357 lbs [161.93 g]

PE-SR401AL-STRAIGHT 50 Ohms Solid Copper, Silver PTFE 1 Tinned Aluminum 0.25 in [6.35 mm]

0.25 in [6.35 mm]

One Time Minimum Bend Radius

Connectors

Connector 1	Connector 2	
SMA Female	SMA Female	
MIL-C-39012	MIL-C-39012	
50 Ohms	50 Ohms	
Gold	Gold	
MIL-G-45204	MIL-G-45204	
Teflon	Teflon	
Brass, Gold	Brass, Gold	
MIL-G-45204	MIL-G-45204	
	SMA Female MIL-C-39012 50 Ohms Gold MIL-G-45204 Teflon Brass, Gold	

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ °, whichever is greater. Cable assemblies that are 60 inches or less use straight coax, greater than 60 inches use coiled coax

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

• Values at 25°C, sea level.

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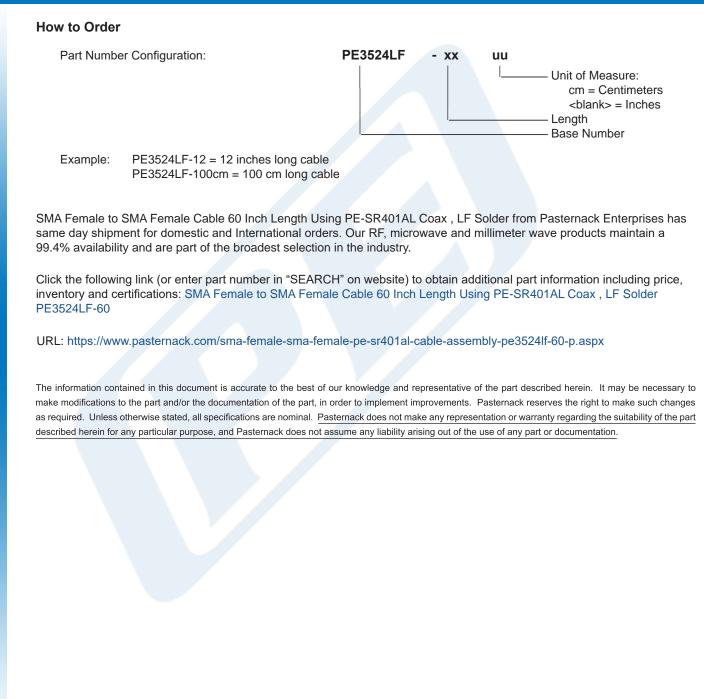


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PE3524LF-60 CAD Drawing SMA Female to SMA Female Cable 60 Inch Length Using PE-SR401AL Coax , LF Solder

