PASTERNACK
an INFINITɘ brand

SMP Female to SMP Female Cable 24 Inch
Length Using PE-SR405FL Coax, RoHS

RF Cable Assemblies Technical Data Sheet   PE36152LF-24

Configuration

- Connector 1: SMP Female
- Connector 2: SMP Female
- Cable Type: PE-SR405FL

### Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity

PE-SR405FL

SHIELD

0.086
Ø [2.2]

DIELECTRIC

SOLID CENTER
CONDUCTOR
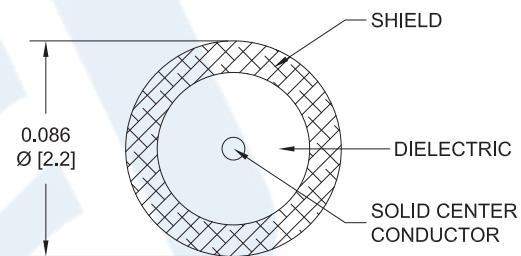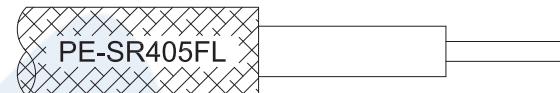
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36152LF-24 SMP female to SMP female 24 inch cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMP to SMP cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FL coax. The PE36152LF-24 SMP female to SMP 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Female to SMP Female Cable 24 Inch Length Using PE-SR405FL Coax, RoHS PE36152LF-24

PE36152LF-24 REV

SMP Female to SMP Female Cable 24 Inch
Length Using PE-SR405FL Coax, RoHS

RF Cable Assemblies Technical Data Sheet   PE36152LF-24

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.65	0.81	1.22	1.72	2.15	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly
Length*   24 in [609.6 mm]
Diameter   0.14 in [3.56 mm]

Weight   0.03 lbs [13.61 g]

Cable
Cable Type   PE-SR405FL
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   Tinned Copper Braid

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Female to SMP Female Cable 24 Inch Length Using PE-SR405FL Coax, RoHS PE36152LF-24

SMP Female to SMP Female Cable 24 Inch
Length Using PE-SR405FL Coax, RoHS

RF Cable Assemblies Technical Data Sheet   PE36152LF-24

Connectors

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204, Type II, Class 2	MIL-G-45204, Type II, Class 2
Dielectric Type	Teflon	Teflon
Body Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Specification	MIL-G-45204	MIL-G-45204

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:
• Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Female to SMP Female Cable 24 Inch Length Using PE-SR405FL Coax, RoHS PE36152LF-24

SMP Female to SMP Female Cable 24 Inch Length Using PE-SR405FL Coax, RoHS

RF Cable Assemblies Technical Data Sheet   PE36152LF-24

How to Order

Part Number Configuration: **PE36152LF   - xx   uu**

Unit of Measure:
    cm = Centimeters
    <blank> = Inches
Length
Base Number
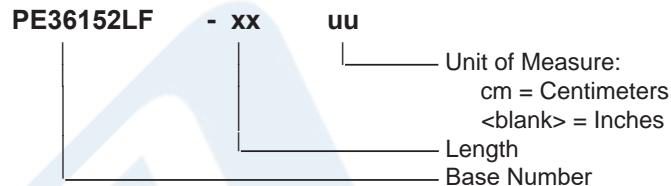
Example: PE36152LF-12 = 12 inches long cable
             PE36152LF-100cm = 100 cm long cable

SMP Female to SMP Female Cable 24 Inch Length Using PE-SR405FL Coax, RoHS 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: SMP Female to SMP Female Cable 24 Inch Length Using PE-SR405FL Coax, RoHS PE36152LF-24

URL: https://www.pasternack.com/smp-female-smp-female-pe-sr405fl-cable-assembly-pe36152lf-24-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.

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

© 2020 Pasternack Enterprises All Rights Reserved   PE36152LF-24 REV   4

PE36152LF-24 CAD Drawing
SMP Female to SMP Female Cable 24 Inch Length Using PE-SR405FL Coax, RoHS

Standard Lengths

	Custom Length in Inches
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	

RoHS
2002/95/EC
RoHS Compliance Certified

SMP FEMALE

LENGTH MEASURED FROM CONTACT TO CONTACT

SMP FEMALE
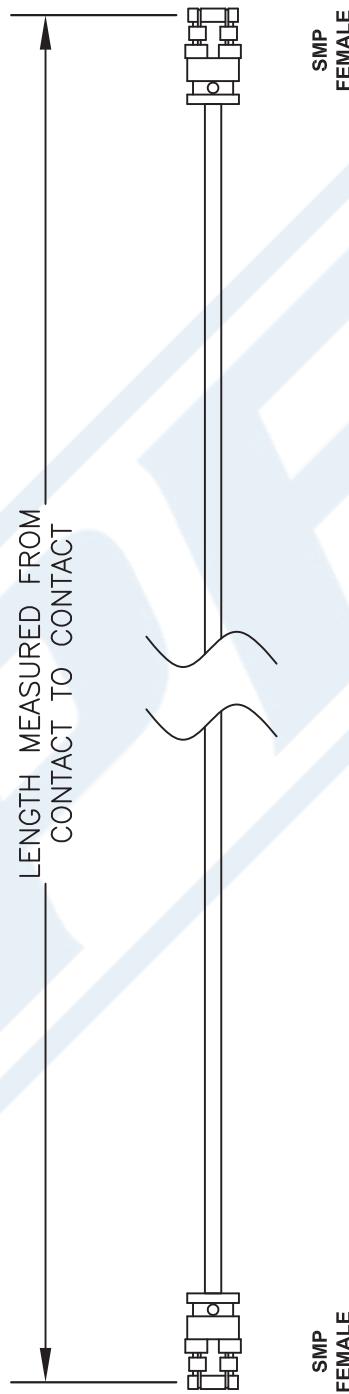
NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

SIZE	A
SCALE	N/A
CAD FILE	020808
127	

DWG TITLE

PE36152LF-XX

FSCM NO. 53919

REV. A

PASTERNACK ®

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

PE36152LF-24 REV