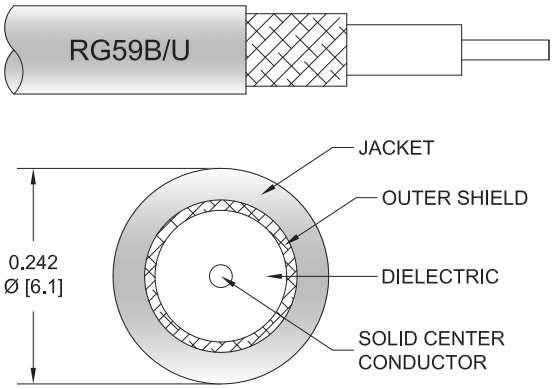
# 75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE Coax, LF Solder

## PE36143LF

### Configuration

- Connector 1:  F Male
- Connector 2:  F Male
- Cable Type: RG59
- Coax Flex Type: Flexible




### Features

- Max Frequency 1 GHz
- 83% Phase Velocity
- Double Shielded
- PVC Jacket

### Applications

- General Purpose
- Laboratory Use

### Description

Pasternack's PE36143LF 75 ohm type F male to 75 ohm type F male cable using 75 ohm RG59-WHITE 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 type F to type F cable assembly has a male to male gender configuration with 75 ohm flexible RG59 coax. The PE36143LF type F male to type F male cable assembly operates to 1 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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 | | 1,000 | MHz |
| Velocity of Propagation | | 83 | | % |
| Capacitance | | 16.2 [53.15] | | pF/ft [pF/m] |

### Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 50 | 100 | 250 | 500 | 1,000 | MHz |
| Insertion Loss (Typ.) | 0.207 | 0.214 | 0.236 | 0.256 | 0.281 | dB/ft |
| | 0.68 | 0.7 | 0.77 | 0.84 | 0.92 | dB/m |



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### Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Width/Diameter | 0.433 in [11 mm] |
| Weight | 0.283 lbs [128.37 g] |

**Cable**

| | |
|---|---|
| Cable Type | RG59 |
| Impedance | 75 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel |
| Dielectric Type | PE (F) |
| Number of Shields | 2 |
| Shield Layer 1 | Aluminum Tape |
| Shield Layer 2 | Aluminum Braid |
| Jacket Material | PVC, White |
| Jacket Diameter | 0.242 in [6.15 mm] |
| One Time Minimum Bend Radius | 2.5 in [63.5 mm] |

### Connectors

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | F Male | F Male |
| Impedance | 75 Ohms | 75 Ohms |
| Configuration | Straight | Straight |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum | 100µ in. minimum |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Specification | 100µ in. minimum | 100µ in. minimum |
| Hex Size | 7/16 in | 7/16 in |
| Torque | 15 in-lbs 1.7 Nm | 15 in-lbs 1.7 Nm |

### Environmental Specifications

| | |
|---|---|
| Operating Range Temperature | -40 to +80 deg C |

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

### Plotted and Other Data

Notes:
Values at 25°C, sea level.



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### Typical Performance Data

### How to Order

Part Number Configuration: **PE36143LF - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE36143LF — Base Number

Example: PE36143LF-12 = 12 inches long cable
PE36143LF-100cm = 100 cm long cable

75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE 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: 75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE Coax, LF Solder PE36143LF

URL: https://www.pasternack.com/f-male-f-male-rg59-white-cable-assembly-pe36143lf-p.aspx

# PE36143LF CAD Drawing

75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE Coax, LF Solder