



## SMA Male Right Angle to SMA Male Cable Using RG8X Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

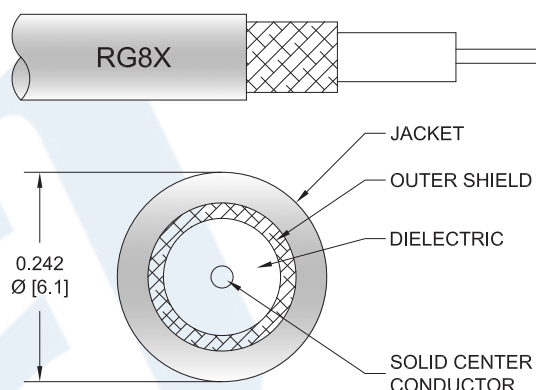
**PE3W06998LF**

#### Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMA Male
- Cable Type: RG8X

#### Features

- Max Frequency 1 GHz
- PVC (NC) Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W06998LF SMA male right angle to SMA male cable using RG8X 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 SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG8X coax. The PE3W06998LF SMA male to SMA male cable assembly operates to 1 GHz. The right angle SMA interface on the RG8X cable allows 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.

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 SMA Male Cable Using RG8X Coax , LF Solder PE3W06998LF](#)



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**Electrical Specifications**

| Description     | Minimum | Typical   | Maximum | Units        |
|-----------------|---------|-----------|---------|--------------|
| Frequency Range | DC      |           | 1,000   | MHz          |
| VSWR            |         |           | 1.4:1   |              |
| Capacitance     |         | 26 [85.3] |         | 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.) | 0.017 | 0.026 | 0.053 | 0.09 | 0.13  | dB/ft |
|                       | 0.06  | 0.09  | 0.17  | 0.3  | 0.43  | dB/m  |

**Electrical Specification Notes:**

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

**Mechanical Specifications**

**Cable Assembly**

Weight 0.074 lbs [33.57 g]

**Cable**

|                                      |                    |
|--------------------------------------|--------------------|
| Cable Type                           | RG8X               |
| Impedance                            | 50 Ohms            |
| Inner Conductor Type                 | Stranded           |
| Inner Conductor Material and Plating | Copper             |
| Dielectric Type                      | PE (F)             |
| Number of Shields                    | 1                  |
| Shield Layer 1                       | Copper Braid       |
| Jacket Material                      | PVC (NC), Black    |
| Jacket Diameter                      | 0.242 in [6.15 mm] |

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#### Connectors

| Description                        | Connector 1          | Connector 2        |
|------------------------------------|----------------------|--------------------|
| Type                               | SMA Male Right Angle | SMA Male           |
| Impedance                          | 50 Ohms              | 50 Ohms            |
| Mating Cycles                      |                      | 500                |
| Contact Material and Plating       | Brass, Gold          | Brass, Gold        |
| Contact Plating Specification      | 50 µin minimum       |                    |
| Dielectric Type                    | PTFE                 | PTFE               |
| Body Material and Plating          | Brass, Gold          | Brass, Gold        |
| Body Plating Specification         | 3 µin minimum        |                    |
| Coupling Nut Material and Plating  | Brass, Gold          | Brass, Gold        |
| Coupling Nut Plating Specification | 3 µin minimum        |                    |
| Hex Size                           | 5/16 inch            | 5/16 inch          |
| Torque                             | 3 in-lbs [0.34 Nm]   | 3 in-lbs [0.34 Nm] |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

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### RF Cable Assemblies Technical Data Sheet

**PE3W06998LF**

#### How to Order

Part Number Configuration:

**PE3W06998LF**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3W06998LF-12 = 12 inches long cable  
PE3W06998LF-100cm = 100 cm long cable

SMA Male Right Angle to SMA Male Cable Using RG8X 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 SMA Male Cable Using RG8X Coax , LF Solder PE3W06998LF](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-sma-male-cable-using-rg8x-lf-solder-pe3w06998lf-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.

PE3W06998LF CAD Drawing

SMA Male Right Angle to SMA Male Cable Using RG8X Coax , LF Solder

