

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



RF Cable Assemblies Technical Data Sheet

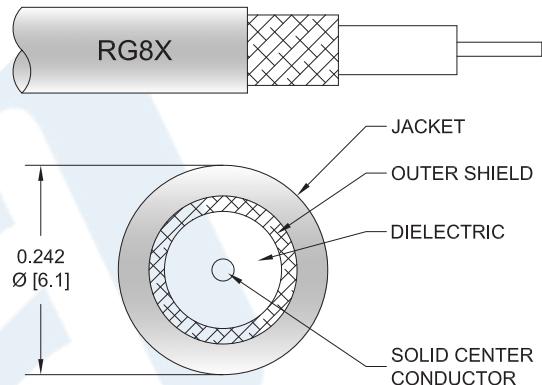
PE3W06998LF

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 μ in minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	3 μ in minimum	
Coupling Nut Material and Plating	Brass, Gold	Brass, Gold
Coupling Nut Plating Specification	3 μ in 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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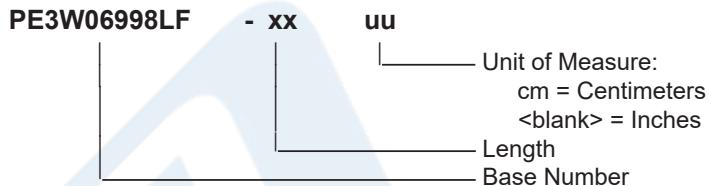
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PE3W06998LF

How to Order

Part Number Configuration:



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.

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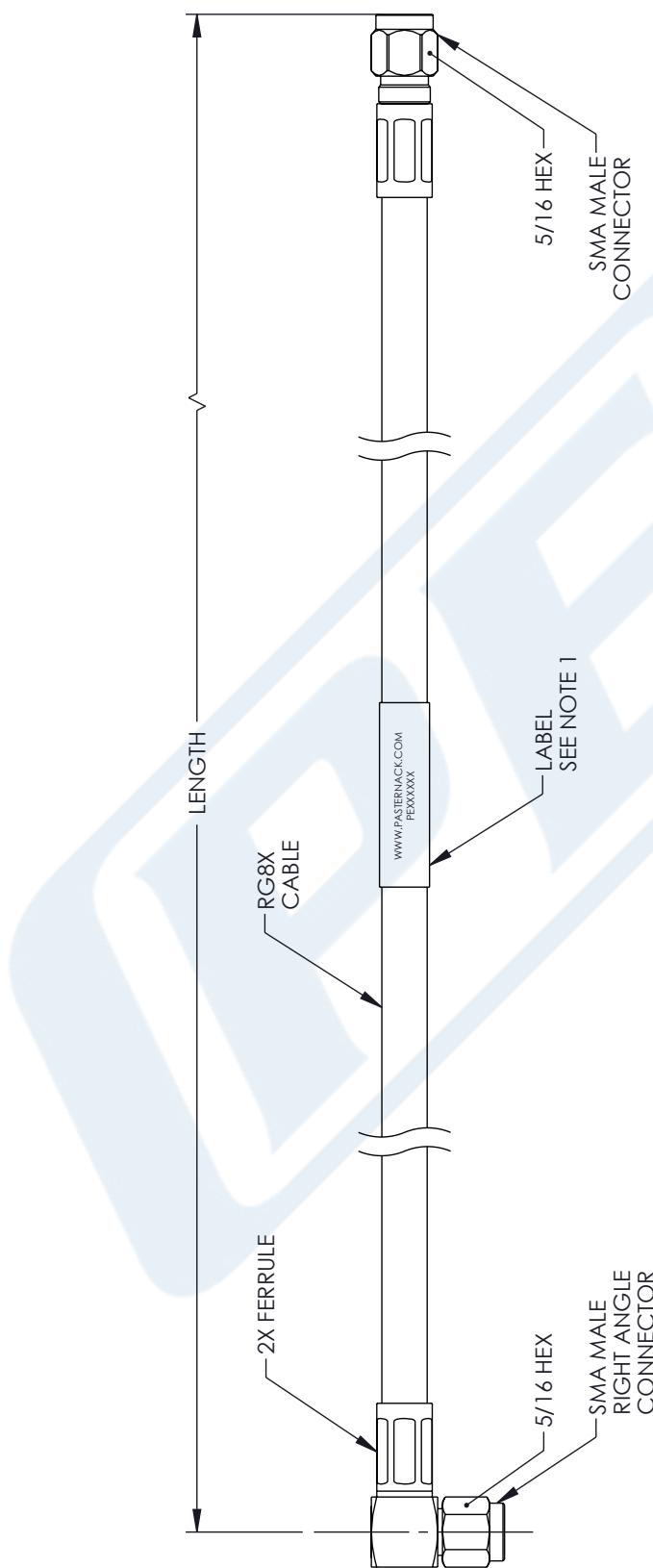
URL: <https://www.pasternack.com/sma-male-right-angle-to-sma-male-cable-using-rg8x-lf-solder-pe3w06998lf-p.aspx>

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

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/24/2023	SREITER	AGANWANI



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCH, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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 PASTERNACK an INFINITI® brand				INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE SHEET		REV A
LESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES IN [1] ARE IN MILLIMETERS				INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE SHEET		
FRACTIONS $\pm .002$ [5.13]		$\pm .132$ [5.5]		$\pm .005$ [1.3]		
ANGLES $\pm 1^\circ$		LENGTH TOLERANCES:		± 120 [3048]		
COAX, LF SOLDER		± 120 [3048] ≤ 60 [1524] = $+*125$ / -0		± 2 [51] / -0		
≤ 120 [3048] ≤ 120 [3048] = $+4$ [102] / -0		≤ 300 [7620] = $+6$ [152] / -0		≤ 300 [7620] = $+45$ % / -0		
TOLERANCES ARE FOR REFERENCE ONLY SUBJECT TO CHANGE WITHOUT NOTICE		DRAWN BY		ITEM NO.		
SREITER		PE31W06998LF		PE31W06998LF		
DESCRIPTION		SMA MALE RIGHT ANGLE TO SMA MALE CABLE USING RG8X		SMA MALE COAX , LF SOLDER		
SIZE		CAGE CODE		DRAWN BY		
A		53919		SREITER		