



SMA Male to SSMC Plug Right Angle Cable 100 cm
Length Using RG188 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W04934/HS-100CM

Configuration

- Connector 1: SMA Male
- Connector 2: SSMC Plug Right Angle
- Cable Type: RG188

Features

- Max Frequency 400 MHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04934/HS-100CM SMA male to SSMC plug right angle 100 cm cable using RG188 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 SSMC cable assembly has a male to plug gender configuration with 50 ohm flexible RG188 coax. The PE3W04934/HS-100CM SMA male to SSMC plug cable assembly operates to 400 MHz. The right angle SSMC interface on the RG188 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		400	MHz
VSWR			1.5:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Max.)	0.956					dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SSMC Plug Right Angle Cable 100 cm Length Using RG188 Coax with Heat-Shrink PE3W04934/HS-100CM](#)



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Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 cm]

Cable

Cable Type RG188
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Silver Plated Copper Braid
Jacket Material PTFE, White
Jacket Diameter 0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SSMC Plug Right Angle
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification		MIL-G-45204
Coupling Nut Material and Plating	Brass, Gold	Beryllium Copper, Gold
Coupling Nut Plating Specification		MIL-G-45204
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	1.75 in-lbs [0.2 Nm]

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W04934/HS

- **xx**

uu

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

Example: PE3W04934/HS-12 = 12 inches long cable
PE3W04934/HS-100cm = 100 cm long cable

SMA Male to SSMC Plug Right Angle Cable 100 cm Length Using RG188 Coax with HeatShrink 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.

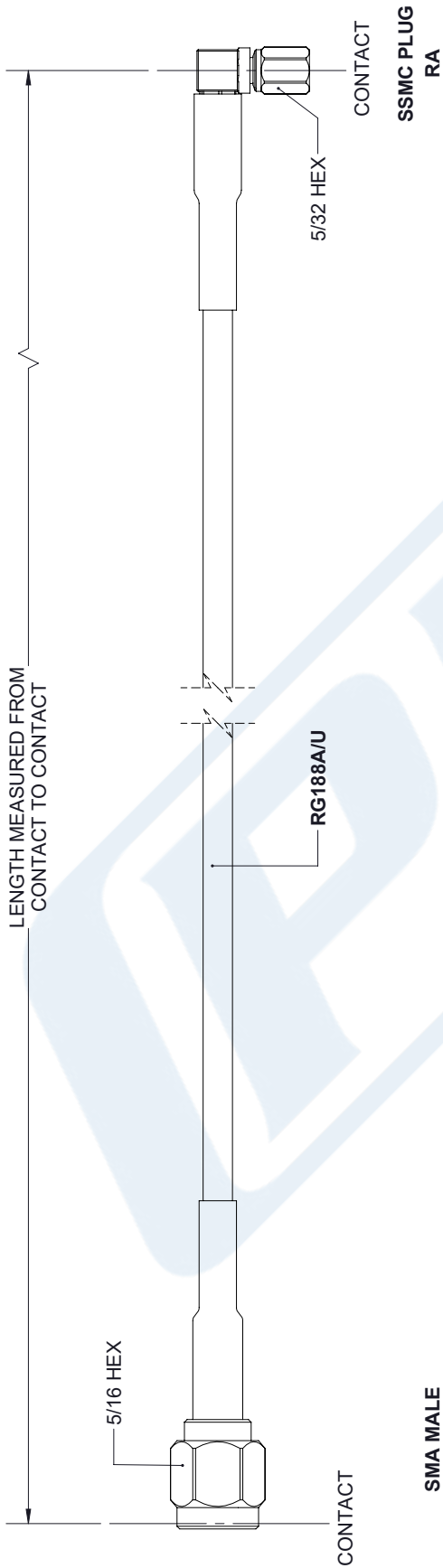
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SSMC Plug Right Angle Cable 100 cm Length Using RG188 Coax with HeatShrink PE3W04934/HS-100CM](https://www.pasternack.com/sma-male-ssmc-plug-rg188au-cable-assembly-pe3w04934-hs-100cm-p.aspx)

URL: <https://www.pasternack.com/sma-male-ssmc-plug-rg188au-cable-assembly-pe3w04934-hs-100cm-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.

PE3W04934/HS-100CM CAD Drawing
SMA Male to SSMC Plug Right Angle Cable 100 cm
Length Using RG188 Coax with HeatShrink

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/10/19	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
.XX±.01 [.25]	±.132
.XXX±.005 [.13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

PE PASTERNAK an INFINITI brand	
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SIZE	CAGE
A	53919
DRAWN BY	K.DANG
PART NUMBER	PE3W04934/HS
REV	A

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SHEET	1 OF 1
SCALE	N/A

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