

## SMA Male to SSMB Plug Cable Using RG188-DS Coax with HeatShrink



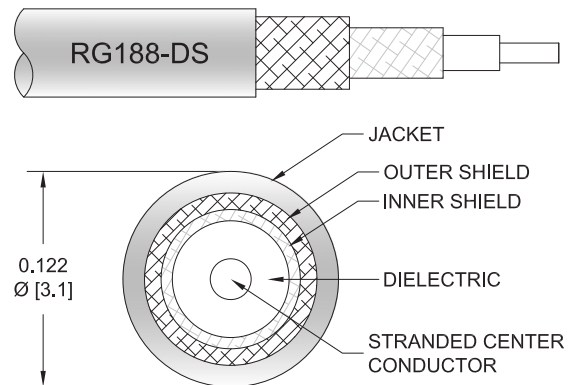
### PE3W06018/HS

#### Configuration

- Connector 1: SMA Male
- Connector 2: SSMB Plug
- Cable Type: RG188-DS
- Coax Flex Type: Flexible

#### Features

- Max Frequency 6 GHz
- Double Shielded
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W06018/HS SMA male to SSMB plug cable using RG188-DS 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 SSMB cable assembly has a male to plug gender configuration with 50 ohm flexible RG188-DS coax. The PE3W06018/HS SMA male to SSMB plug cable assembly operates to 6 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		6	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

#### Specifications by Frequency

SMA Male to SSMB Plug Cable Using  
RG188-DS Coax with HeatShrink



**PE3W06018/HS**

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		250	500	1000	2500	
PE3W06018/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.146	0.197	0.3	0.484	0.898	dB/ft	
			0.48	0.65	0.99	1.59	2.95	dB/m	
PE3W06018/HS-12	12 inch	Insertion Loss (Typ.)	0.35	0.4	0.5	0.69	1.1	dB	0.038
PE3W06018/HS-24	24 inch	Insertion Loss (Typ.)	0.5	0.6	0.8	1.17	2	dB	0.053
PE3W06018/HS-36	36 inch	Insertion Loss (Typ.)	0.64	0.8	1.1	1.66	2.9	dB	0.068
PE3W06018/HS-48	48 inch	Insertion Loss (Typ.)	0.79	0.99	1.4	2.14	3.8	dB	0.083
PE3W06018/HS-60	60 inch	Insertion Loss (Typ.)	0.93	1.19	1.7	2.62	4.69	dB	0.098

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB  
 Loss due to Connector 2: 0.1 dB  
 Base Weight: 0.038 pounds  
 Additional Weight per Inch: 0.00125 pounds

**Mechanical Specifications**

**Cable Assembly**

Weight 0.038 lbs [17.24 g]

**Cable**

Cable Type RG188-DS  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper Clad Steel, Silver  
 Dielectric Type PTFE  
 Number of Shields 2  
 Shield Layer 1 Silver Plated Copper Braid  
 Shield Layer 2 Silver Plated Copper Braid  
 Jacket Material PTFE, White  
 Jacket Diameter 0.118 in [3 mm]

## SMA Male to SSMB Plug Cable Using RG188-DS Coax with HeatShrink



### PE3W06018/HS

#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SSMB Plug
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 μin minimum	30μ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Beryllium Copper, Gold
Body Plating Specification	100 μin minimum	30μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 μin minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs 0.34 Nm	

#### Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

#### Plotted and Other Data

Notes:

## SMA Male to SSMB Plug Cable Using RG188-DS Coax with HeatShrink



### PE3W06018/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W06018/HS**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W06018/HS-12 = 12 inches long cable  
PE3W06018/HS-100cm = 100 cm long cable

SMA Male to SSMB Plug Cable Using RG188-DS 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 SSMB Plug Cable Using RG188-DS Coax with HeatShrink PE3W06018/HS](https://www.pasternack.com/sma-male-to-ssmb-plug-cable-using-rg188-ds-coax-with-heatshrink-pe3w06018-hs)

URL: <https://www.pasternack.com/sma-male-to-ssmb-plug-cable-using-rg188-ds-with-heatshrink-pe3w06018-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE3W06018/HS CAD Drawing

SMA Male to SSMB Plug Cable Using RG188-DS Coax with HeatShrink

