

## BNC Male to SMB Plug Cable Using RG188-DS Coax with HeatShrink



### RF Cable Assemblies Technical Data Sheet

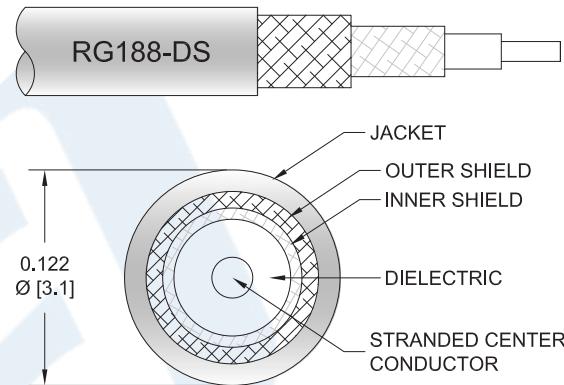
**PE3C3539/HS**

#### Configuration

- Connector 1: BNC Male
- Connector 2: SMB Plug
- Cable Type: RG188-DS

#### Features

- Max Frequency 3 GHz
- Double Shielded
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C3539/HS BNC male to SMB 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 BNC to SMB cable assembly has a male to plug gender configuration with 50 ohm flexible RG188-DS coax. The PE3C3539/HS BNC male to SMB plug cable assembly operates to 3 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to SMB Plug Cable Using RG188-DS Coax with HeatShrink PE3C3539/HS](#)

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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance	32 [104.99]			pF/ft [pF/m]

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.115	0.145	0.197	0.3	0.545	dB/ft
	0.38	0.48	0.65	0.98	1.79	dB/m

**Electrical Specification Notes:**

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

**Mechanical Specifications**
**Cable Assembly**

Weight	0.118 lbs [53.52 g]
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**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]

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**PE3C3539/HS**
**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male	SMB Plug
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 $\mu$ in. minimum	30 $\mu$ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in. minimum	100 $\mu$ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 $\mu$ in. minimum	

**Environmental Specifications**
**Temperature**

Operating Range

-55 to +165 deg C

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

**Plotted and Other Data**

Notes:

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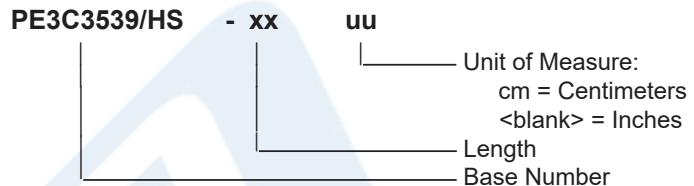


### RF Cable Assemblies Technical Data Sheet

**PE3C3539/HS**

#### How to Order

Part Number Configuration:



Example: PE3C3539/HS-12 = 12 inches long cable  
PE3C3539/HS-100cm = 100 cm long cable

BNC Male to SMB 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.

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URL: <https://www.pasternack.com/bnc-male-to-smb-plug-cable-using-rg188-ds-with-heatshrink-pe3c3539-hs-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.

# PE3C3539/HS CAD Drawing

BNC Male to SMB Plug Cable Using RG188-DS Coax with HeatShrink

