

SMA Male to BNC Male Cable Using RG188-DS Coax , LF Solder



## RF Cable Assemblies Technical Data Sheet

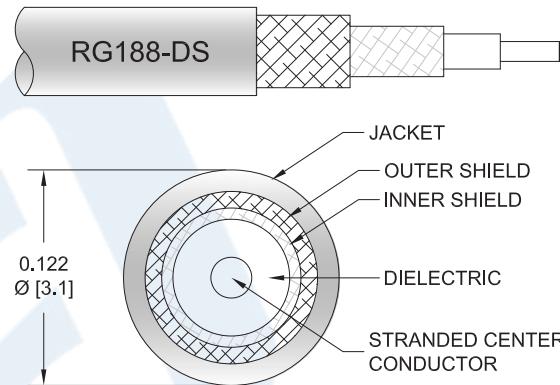
**PE3C3510LF**

### Configuration

- Connector 1: SMA Male
- Connector 2: BNC Male
- Cable Type: RG188-DS

### Features

- Max Frequency 3 GHz
- Double Shielded
- PTFE Jacket



### Applications

- General Purpose
- Laboratory Use

### Description

Pasternack's PE3C3510LF SMA male to BNC male 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 BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG188-DS coax. The PE3C3510LF SMA male to BNC male 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: [SMA Male to BNC Male Cable Using RG188-DS Coax , LF Solder PE3C3510LF](#)



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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

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

Weight	0.056 lbs [25.4 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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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 $\mu$ in minimum	50 $\mu$ in. minimum
Dielectric Type	PTFE	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	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	100 $\mu$ in. minimum
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

**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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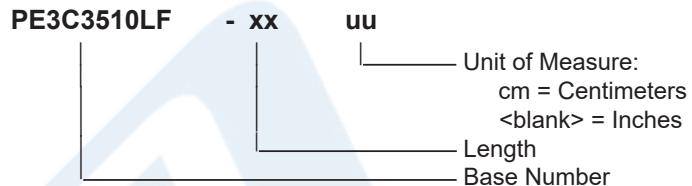
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**PE3C3510LF**

#### How to Order

Part Number Configuration:



Example: PE3C3510LF-12 = 12 inches long cable  
PE3C3510LF-100cm = 100 cm long cable

SMA Male to BNC Male Cable Using RG188-DS 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-to-bnc-male-cable-using-rg188-ds-lf-solder-pe3c3510lf-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.

