



SMA Male to N Female Bulkhead Cable 18 Inch  
Length Using RG223 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE3193LF-18

**Configuration**

- Connector 1: SMA Male
- Connector 2: N Female Bulkhead
- Cable Type: RG223

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	6	GHz
Insertion Loss (Typ.)	0.336	0.401	0.529	0.703	1.011	dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1		
Return Loss (Max.)	15.56	15.563	15.563	15.563		dB

**Mechanical Specifications**

**Cable Assembly**

Length*	18 in [457.2 mm]
Diameter	0.827 in [21.01 mm]
Weight	0.167 lbs [75.75 g]

**Cable**

Cable Type	RG223
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Number of Shields	2

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 N Female Bulkhead Cable 18 Inch Length Using RG223 Coax, RoHS PE3193LF-18](#)



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Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.21 in [5.33 mm]

One Time Minimum Bend Radius	1 in [25.4 mm]
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#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	N Female Bulkhead
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	100µ in. minimum
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 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:

- Values at 25°C, sea level.

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PE3193LF-18

**How to Order**

Part Number Configuration:

**PE3193LF**

- **xx**

**uu**

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

Example: PE3193LF-12 = 12 inches long cable  
PE3193LF-100cm = 100 cm long cable

SMA Male to N Female Bulkhead Cable 18 Inch Length Using RG223 Coax, RoHS 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.

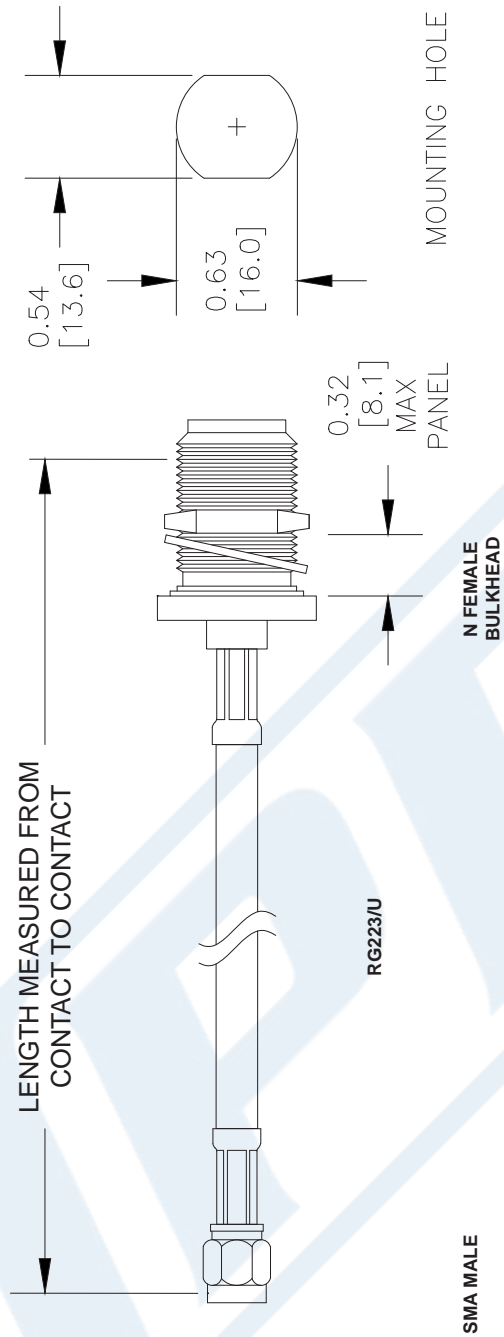
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Female Bulkhead Cable 18 Inch Length Using RG223 Coax, RoHS PE3193LF-18](https://www.pasternack.com/sma-male-n-female-rg223u-cable-assembly-pe3193lf-18-p.aspx)

URL: <https://www.pasternack.com/sma-male-n-female-rg223u-cable-assembly-pe3193lf-18-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.

# PE3193LF-18 CAD Drawing

SMA Male to N Female Bulkhead Cable 18 Inch Length Using RG223 Coax, RoHS



How To Order						
<div>Part Number Configuration</div> <div>PE3 <div>zzz</div> <div>yy</div> - <div>xx</div> <div>uu</div></div> <div>00 - 99999</div> <div>LF = RoHS Compliant</div> <div>&lt; Blank &gt; = Standard</div> <div>Note: LF applies only to RF cables</div>	Examples		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
	PE3000LF-100		-12	12"	-25CM	25Cm
	PE3000-100		-24	24"	-50CM	50Cm
	PE3000LF-100CM		-36	36"	-75CM	75Cm
	PE3000-100CM		-48	48"	-100CM	100Cm
			-60	60"	-125CM	125Cm
			-xx	Custom Length	-xxCM	Custom Length

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].  
 4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE3193LF**

FSCM NO. 53919

CAD FILE 41613

SCALE N/A

SIZE A

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