



SMA Male to N Female Bulkhead Precision Cable
18 Inch Length Using 150 Series Coax, RoHS

TECHNICAL DATA SHEET

PE35954-18

SMA Male to N Female Bulkhead Precision Cable 18 Inch Length Using 150 Series Coax, RoHS

Configuration

| | |
|-------------|-------------------|
| Connector 1 | SMA Male |
| Connector 2 | N Female Bulkhead |
| Cable Type | 150 Series |

Electrical Specifications

| | |
|---------------------------------|----------|
| Frequency Range, GHz | DC to 18 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.4:1 |
| Velocity of Propagation, % | 69.5 |
| RF Shielding, dB | 90 |
| Maximum Operating Voltage, Vrms | 1,900 |

Electrical Specification Notes: Short lengths up to 24" long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Cable Assembly

| | |
|------------|------------|
| Cable Type | 150 Series |
|------------|------------|

Temperature

| | |
|------------------------------------|-------------|
| Temperature Operating Range, deg C | -50 to +205 |
|------------------------------------|-------------|

Size

| | |
|---------------------------------------|------------|
| Length, in [mm] | 18 [457.2] |
| One Time Minimum Bend Radius, in [mm] | 1 [25.4] |

Cable

| | |
|--------------------------|---------------------------|
| Center Conductor Type | Solid |
| Cable Inner Conductor | Copper Clad Steel, Silver |
| No of Shields | 1 |
| Dielectric Type | PTFE |
| Jacket Material | FEP |
| Jacket Diameter, in [mm] | 0.15 [3.81] |

Connector 1

| | |
|--------------------------------------|----------------------------|
| Type | SMA Male |
| Configuration | Straight |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Coupling Nut Material and Plating | Passivated Stainless Steel |
| Hex Size, in. | 5/16 |
| Torque, in-lbs [Nm] | 8 [0.9] |

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 Precision Cable 18 Inch Length Using 150 Series Coax, RoHS PE35954-18](#)

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.



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Body Material and Plating
Dielectric Type

Passivated Stainless Steel
PTFE

Connector 2

Type
Configuration
Mount Method
Inner Conductor Material and Plating
Body Material and Plating
Dielectric Type

N Female Bulkhead
Straight
Bulkhead
Gold
Brass, Nickel
PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

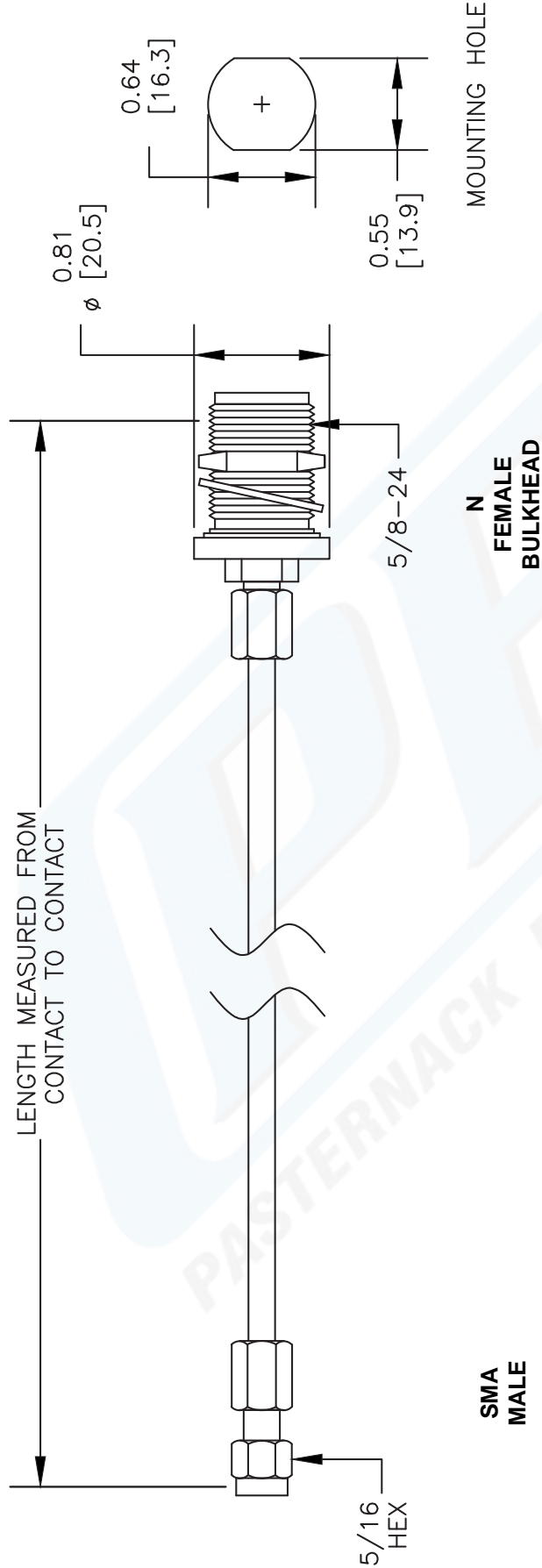
SMA Male to N Female Bulkhead Precision Cable 18 Inch Length Using 150 Series Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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 Precision Cable 18 Inch Length Using 150 Series Coax, RoHS PE35954-18](http://www.pasternack.com/sma-male-n-female-150-series-cable-assembly-pe35954-18-p.aspx)

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PE35954-18 CAD Drawing
 SMA Male to N Female Bulkhead Precision Cable 18 Inch
 Length Using 150 Series Coax, RoHS



| How To Order | | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|--|--|-------------|------------------|-------------|-----------------------|
| Part Number Configuration PE3 <input type="text" value="zzz"/> <input type="text" value="yy"/> - <input type="text" value="xx"/> <input type="text" value="uu"/> 00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables | | -12 | 12" | -25CM | 25Cm |
| Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM CM = Centimeters < Blank > = Inches _____ Length | | -24 | 24" | -50CM | 50Cm |
| | | -36 | 36" | -75CM | 75Cm |
| | | -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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE
PE35954

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|----------------|-----------------|-----------|--------|------|
| FSCM NO. 53919 | CAD FILE 021508 | SCALE N/A | SIZE A | 2233 |
|----------------|-----------------|-----------|--------|------|