



SMA Male to TNC Male Precision Cable 60 Inch Length Using 160 Series Coax, RoHS

TECHNICAL DATA SHEET

PE308-60

SMA Male to TNC Male Precision Cable 60 Inch Length Using 160 Series Coax, RoHS

Configuration

| | |
|-------------|------------|
| Connector 1 | SMA Male |
| Connector 2 | TNC Male |
| Cable Type | 160 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 | 100 |
| Maximum Operating Voltage, Vrms | 1,200 |

Typical Performance by Frequency

Frequency 1

| | |
|----------------|--------------------------|
| Frequency, GHz | 2 |
| VSWR | 1.06:1 |
| Insertion Loss | 0.21 dB/ft [0.69 dB/m] |

Frequency 2

| | |
|----------------|-------------------------|
| Frequency, GHz | 6 |
| VSWR | 1.08:1 |
| Insertion Loss | 0.3 dB/ft [0.98 dB/m] |

Frequency 3

| | |
|----------------|-------------------------|
| Frequency, GHz | 10 |
| VSWR | 1.24:1 |
| Insertion Loss | 0.4 dB/ft [1.31 dB/m] |

Frequency 4

| | |
|----------------|-------------------------|
| Frequency, GHz | 14 |
| VSWR | 1.34:1 |
| Insertion Loss | 0.5 dB/ft [1.64 dB/m] |

Frequency 5

| | |
|----------------|--------------------------|
| Frequency, GHz | 16 |
| VSWR | 1.34:1 |
| Insertion Loss | 0.54 dB/ft [1.77 dB/m] |

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 TNC Male Precision Cable 60 Inch Length Using 160 Series Coax, RoHS PE308-60](#)

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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Frequency 6

| | |
|----------------|-------------------------|
| Frequency, GHz | 18 |
| VSWR | 1.4:1 |
| Insertion Loss | 0.6 dB/ft [1.97 dB/m] |

Electrical Specification Notes:

Short lengths up to 24" long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Cable Assembly

| | |
|------------|------------|
| Cable Type | 160 Series |
|------------|------------|

Temperature

| | |
|------------------------------------|-------------|
| Temperature Operating Range, deg C | -48 to +204 |
|------------------------------------|-------------|

Size

| | |
|---------------------------------------|---------------|
| Length, in [cm] | 60 [152.4] |
| Diameter, in [mm] | 0.17 [4.32] |
| Weight, lbs [g] | 0.038 [17.24] |
| Cable Color | Blue |
| 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 | 3 |
| Dielectric Type | PTFE |
| Jacket Material | FEP |
| Jacket Diameter, in [mm] | 0.163 [4.14] |

Connector 1

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

Connector 2

| | |
|--------------------------------------|----------|
| Type | TNC Male |
| Configuration | Straight |
| Inner Conductor Material and Plating | Gold |

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| | |
|-----------------------------------|----------------------------|
| Coupling Nut Material and Plating | Passivated Stainless Steel |
| Hex Size, in. | 9/16 |
| Torque, in-lbs [Nm] | 14 [1.58] |
| Body Material and Plating | Passivated Stainless Steel |
| Dielectric Type | 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 TNC Male Precision Cable 60 Inch Length Using 160 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 TNC Male Precision Cable 60 Inch Length Using 160 Series Coax, RoHS PE308-60](http://www.pasternack.com/sma-male-tnc-male-300-series-cable-assembly-pe308-60)

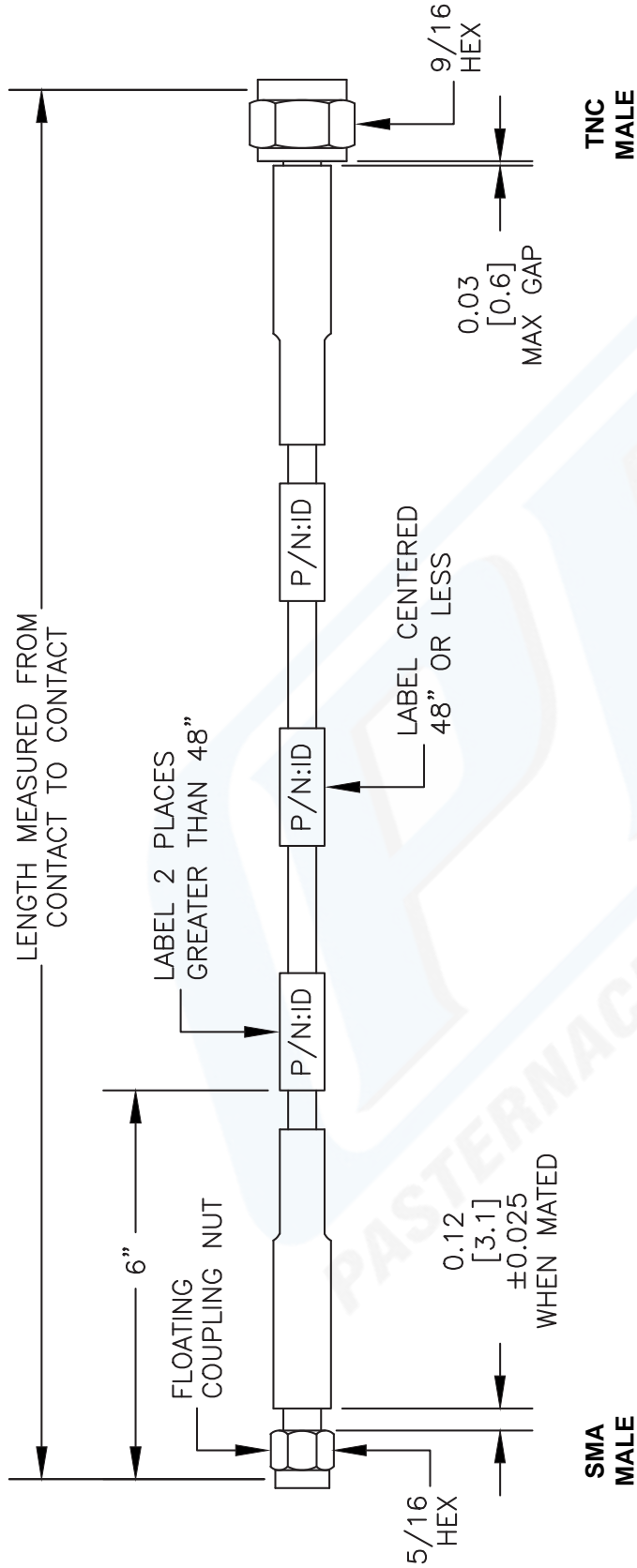
URL: <http://www.pasternack.com/sma-male-tnc-male-300-series-cable-assembly-pe308-60-p.aspx>

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PE308-60 CAD Drawing

SMA Male to TNC Male Precision Cable 60 Inch Length Using 160 Series Coax, RoHS



| Part Number Configuration | | How To Order | |
|------------------------------------|--|------------------|-----------------------|
| PE3 | ZZZ YY - XX UU | Part # | Ext. |
| 00 - 99999 | LF = Lead Free < Blank > = Standard | Length In Inches | Length In Centimeters |
| Note: LF applies only to RF cables | | Part # Ext. | Length In Centimeters |
| | | -12 | 25CM |
| | | -24 | 50CM |
| | | -36 | 75CM |
| | | -48 | 100CM |
| | | -60 | 125CM |
| | | -XX | Custom Length |

PE308

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: PE308

REV. B FSCM NO. 53919 CAD FILE 071012 SCALE N/A SIZE A 2233

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