



SMA Male to SMA Male Test Cable 200 CM  
Length Using PE-P102 Coax, RoHS

TECHNICAL DATA SHEET

PE370-200CM

**Configuration**

|             |          |
|-------------|----------|
| Connector 1 | SMA Male |
| Connector 2 | SMA Male |
| Cable Type  | PE-P102  |

**Electrical Specifications**

|                         |                |
|-------------------------|----------------|
| Frequency Range         | DC to 26.5 GHz |
| Impedance               | 50 Ohms        |
| Maximum VSWR            | 1.4:1          |
| Velocity of Propagation | 76 %           |
| RF Shielding            | 90 dB          |
| Peak Power              | 550 Watts      |

**Typical Performance by Frequency**

**Frequency 1**

|                       |        |
|-----------------------|--------|
| Frequency             | 6 GHz  |
| VSWR                  | 1.25:1 |
| Insertion Loss,       | 4.9 dB |
| Power Handling, Watts | 160    |

**Frequency 2**

|                |           |
|----------------|-----------|
| Frequency      | 12 GHz    |
| VSWR           | 1.25:1    |
| Insertion Loss | 7.08 dB   |
| Power Handling | 110 Watts |

**Frequency 3**

|                |          |
|----------------|----------|
| Frequency      | 18 GHz   |
| VSWR           | 1.25:1   |
| Insertion Loss | 8.9 dB   |
| Power Handling | 89 Watts |

**Frequency 4**

|                |          |
|----------------|----------|
| Frequency      | 26.5 GHz |
| VSWR           | 1.4:1    |
| Insertion Loss | 11 dB    |
| Power Handling | 73 Watts |

**Mechanical Specifications**

**Temperature**

|                             |                   |
|-----------------------------|-------------------|
| Temperature Operating Range | -65 to +165 deg C |
|-----------------------------|-------------------|

**Size**

|             |                   |
|-------------|-------------------|
| Length      | 78.74 in [200 cm] |
| Diameter    | 0.35 in [8.89 mm] |
| Cable Color | Gray              |

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 SMA Male Test Cable 200 CM Length Using PE-P102 Coax, RoHS PE370-200CM



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One Time Minimum Bend Radius 0.32 in [8.13 mm]  
Repeated Minimum Bend Radius 0.32 in [8.13 mm]

**Cable**

Cable Type PE-P102  
Inner Conductor Type Stranded  
Cable Inner Conductor Copper, Silver  
No of Shields 3  
Dielectric Type PTFE  
Jacket Material ETFE  
Jacket Diameter 0.102 in [2.59 mm]

**Connector 1**

Type SMA Male  
Configuration Straight  
Inner Conductor Material and Plating Beryllium Copper, Gold  
Inner Conductor Plating Specification ASTM-B488 50µ In. Minimum  
Coupling Nut Material and Plating Passivated Stainless Steel  
Coupling Nut Plating Specification SAE-AMS-2700  
Hex Size 5/16 Inch  
Torque 8 in-lbs [0.9 Nm]  
Body Material and Plating Passivated Stainless Steel  
Body Plating Specification SAE-AMS-2700  
Dielectric Type PTFE

**Connector 2**

Type SMA Male  
Configuration Straight  
Inner Conductor Material and Plating Beryllium Copper, Gold  
Inner Conductor Plating Specification ASTM-B488 50µ In. Minimum  
Coupling Nut Material and Plating Passivated Stainless Steel  
Coupling Nut Plating Specification SAE-AMS-2700  
Hex Size 5/16 Inch  
Torque 8 in-lbs [0.9 Nm]  
Body Material and Plating Passivated Stainless Steel  
Body Plating Specification SAE-AMS-2700  
Dielectric Type PTFE

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant Yes

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Notes:

- Values at +25 °C, sea level

SMA Male to SMA Male Test Cable 200 CM Length Using PE-P102 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

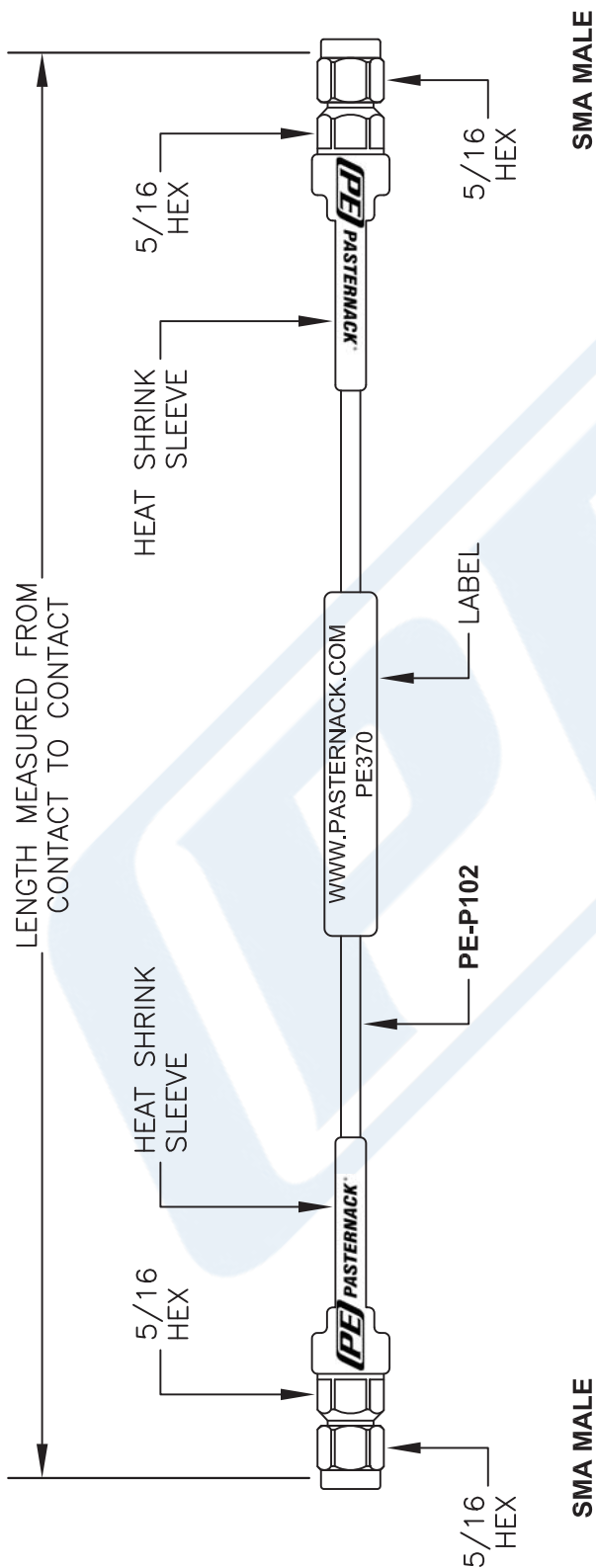
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URL: <http://www.pasternack.com/sma-male-sma-male-pe-p102-cable-assembly-pe370-200cm-p.aspx>

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.

# PE370-200CM CAD Drawing

SMA Male to SMA Male Test Cable 200 CM Length Using PE-P102 Coax, RoHS



**NOTE:**  
 LABEL FOR CABLE LENGTHS 48" OR SHORTER TO BE CENTERED. 48" OR LONGER WILL BE 12" AWAY FROM CONNECTOR.

| Part Number Configuration |                              | How To Order |                  |
|---------------------------|------------------------------|--------------|------------------|
| PE3                       | [zzz] - [xx] [uu]            | Part # Ext.  | Length In Inches |
| 00 - 99999                | < Blank > = Inches<br>Length | -12          | 12"              |
|                           |                              | -24          | 24"              |
|                           |                              | -36          | 36"              |
|                           |                              | -48          | 48"              |
|                           |                              | -60          | 60"              |
|                           |                              | -xx          | Custom Length    |
|                           |                              | -25CM        | 25Cm             |
|                           |                              | -50CM        | 50Cm             |
|                           |                              | -75CM        | 75Cm             |
|                           |                              | -100CM       | 100Cm            |
|                           |                              | -125CM       | 125Cm            |
|                           |                              | -xxCM        | Custom Length    |

**PE PASTERNAK®**  
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DWG TITLE  
**PE370**

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.

|                |                 |           |        |      |
|----------------|-----------------|-----------|--------|------|
| FSCM NO. 53919 | CAD FILE 091713 | SCALE N/A | SIZE A | 2233 |
|----------------|-----------------|-----------|--------|------|