



## 2.92mm Male to 2.92mm Male Cable Using PE-P086 Coax

### TECHNICAL DATA SHEET

PE3C0666

#### Configuration

Connector 1	2.92mm Male
Connector 2	2.92mm Male
Cable Type	PE-P086

#### Electrical Specifications

Frequency Range	DC to 40 GHz
Impedance	50 Ohms
Maximum VSWR	1.4:1
Velocity of Propagation	69.5 %
RF Shielding	110 dB

#### Typical Performance by Frequency

##### Frequency 1

Frequency	2.5 GHz
VSWR	1.3:1
Insertion Loss,	0.5 dB/ft [1.51 dB/m]

##### Frequency 2

Frequency	5 GHz
VSWR	1.3:1
Insertion Loss	0.7 dB/ft [2.3 dB/m]

##### Frequency 3

Frequency	10 GHz
VSWR	1.3:1
Insertion Loss	1 dB/ft [3.28 dB/m]

##### Frequency 4

Frequency	20 GHz
VSWR	1.3:1
Insertion Loss	1.3 dB/ft [4.27 dB/m]

##### Frequency 5

Frequency	40 GHz
VSWR	1.4:1
Insertion Loss	1.9 dB/ft [6.23 dB/m]

#### Mechanical Specifications

##### Temperature

Temperature Operating Range	-55 to +200 deg C
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##### Size

Diameter	0.312 in [7.92 mm]
Cable Color	Blue
One Time Minimum Bend Radius	0.4 in [10.16 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Cable Using PE-P086 Coax PE3C0666](#)



## 2.92mm Male to 2.92mm Male Cable Using PE-P086 Coax

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Repeated Minimum Bend Radius

1.57 in [39.88 mm]

#### Cable

Cable Type

PE-P086

Inner Conductor Type

Solid

Cable Inner Conductor

Copper Clad Steel, Silver

No of Shields

2

Dielectric Type

PTFE

Jacket Material

FEP

Jacket Diameter

0.104 in [2.64 mm]

#### Connector 1

Type

2.92mm Male

Configuration

Straight

Inner Conductor Material and Plating

Beryllium Copper, Gold

Coupling Nut Material and Plating

Passivated Stainless Steel

Hex Size

5/16 Inch

Torque

8 in-lbs [0.9 Nm]

Body Material and Plating

Passivated Stainless Steel

Dielectric Type

Noryl

#### Connector 2

Type

2.92mm Male

Configuration

Straight

Inner Conductor Material and Plating

Beryllium Copper, Gold

Coupling Nut Material and Plating

Passivated Stainless Steel

Hex Size

5/16 Inch

Torque

8 in-lbs [0.9 Nm]

Body Material and Plating

Passivated Stainless Steel

Dielectric Type

Noryl

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

For RoHS Compliant version, use PE3c0666LF. Contact Pasternack if product cannot be found.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Cable Using PE-P086 Coax PE3C0666](#)



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Notes:

- Values at +25 °C, sea level

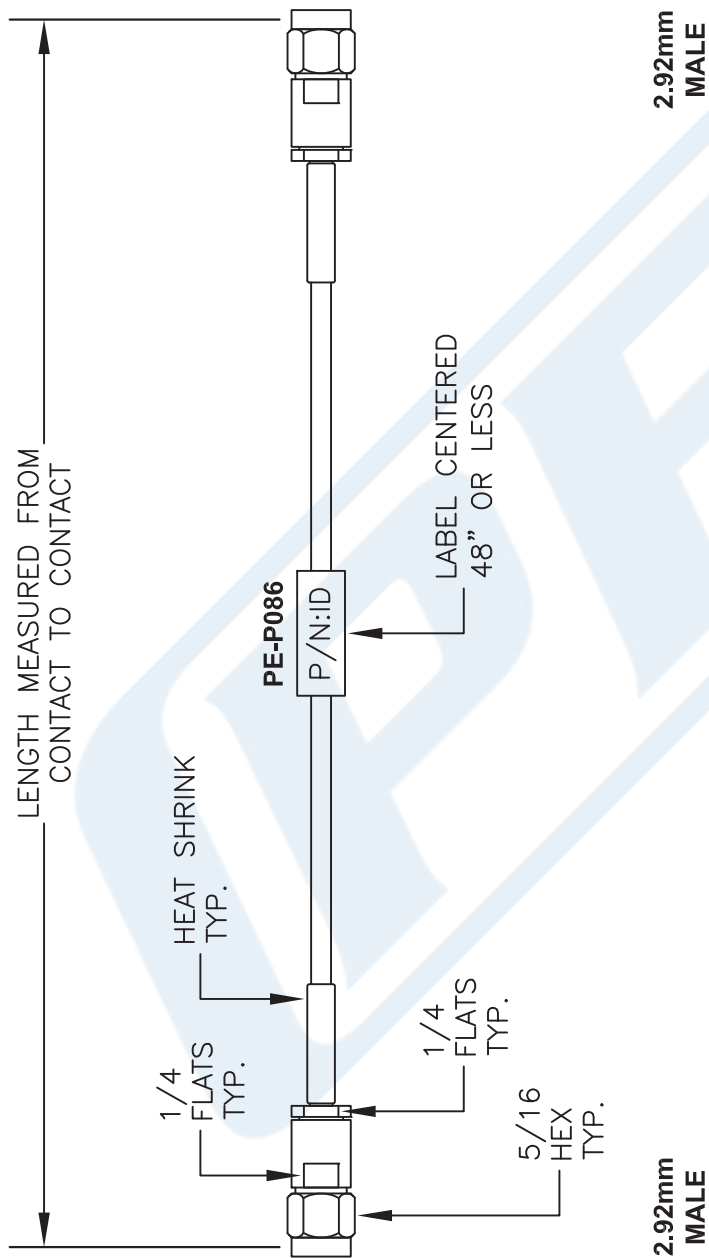
2.92mm Male to 2.92mm Male Cable Using PE-P086 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Cable Using PE-P086 Coax PE3C0666](#)

URL: <http://www.pasternack.com/2.92mm-male-2.92mm-male-pe-p086-cable-assembly-pe3c0666-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.

PE3C0666 CAD Drawing  
2.92mm Male to 2.92mm Male Cable Using PE-P086 Coax



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 &lt; Blank &gt; = Standard</div> <div>Note: LF applies only to RF cables</div>	<div>Examples</div> <div>PE3000LF-100</div> <div>PE3000-100</div> <div>PE3000LF-100CM</div> <div>PE3000-100CM</div> <div>CM = Centimeters &lt; Blank &gt; = Inches</div> <div>Length</div>	Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
		-12	12"	-25CM	25Cm
		-24	24"	-50CM	50Cm
		-36	36"	-75CM	75Cm
		-48	48"	-100CM	100Cm
		-60	60"	-125CM	125Cm
		Custom Length		-xx	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.



**PASTERNAK®**  
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DWG TITLE

**PE3C0666**

FSCM NO. 53919

CAD FILE 031214

SCALE N/A

SIZE A

2233