



2.4mm Male to 1.85mm Male Cable 48 Inch  
Length Using PE-P086 Coax

TECHNICAL DATA SHEET

PE3C0751-48

**Configuration**

Connector 1	2.4mm Male
Connector 2	1.85mm Male
Cable Type	PE-P086

**Electrical Specifications**

Frequency Range	DC to 50 GHz
Impedance	50 Ohms
Maximum VSWR	1.4:1
Maximum Insertion Loss	2.1 dB
Velocity of Propagation	70 %
RF Shielding	110 dB

**Typical Performance by Frequency**

**Frequency 1**

Frequency	2.5 GHz
VSWR	1.3:1
Insertion Loss,	0.5 dB

**Frequency 2**

Frequency	5 GHz
VSWR	1.3:1
Insertion Loss	0.7 dB

**Frequency 3**

Frequency	10 GHz
VSWR	1.3:1
Insertion Loss	1 dB

**Frequency 4**

Frequency	20 GHz
VSWR	1.4:1
Insertion Loss	1.3 dB

**Frequency 5**

Frequency	40 GHz
VSWR	1.4:1
Insertion Loss	1.9 dB

**Frequency 6**

Frequency	50 GHz
VSWR	1.4:1
Insertion Loss	2.1 dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 1.85mm Male Cable 48 Inch Length Using PE-P086 Coax PE3C0751-48](#)



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**Mechanical Specifications**

**Temperature**

Temperature Operating Range -55 to +200 deg C

**Size**

Length 48 in [121.92 cm]  
Diameter 0.375 in [9.53 mm]  
Cable Color Blue  
One Time Minimum Bend Radius 0.4 in [10.16 mm]  
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 2.4mm Male  
Configuration Straight  
Inner Conductor Material and Plating Beryllium Copper, Gold  
Coupling Nut Material and Plating Passivated Stainless Steel  
Hex Size 5/16 in.  
Torque 8 in-lbs [0.9 Nm]  
Body Material and Plating Passivated Stainless Steel  
Dielectric Type PPO

**Connector 2**

Type 1.85mm 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 PE3c0751LF-48. Contact Pasternack if product cannot be found.

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Notes:

- Values at +25 °C, sea level

2.4mm Male to 1.85mm Male Cable 48 Inch Length 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.

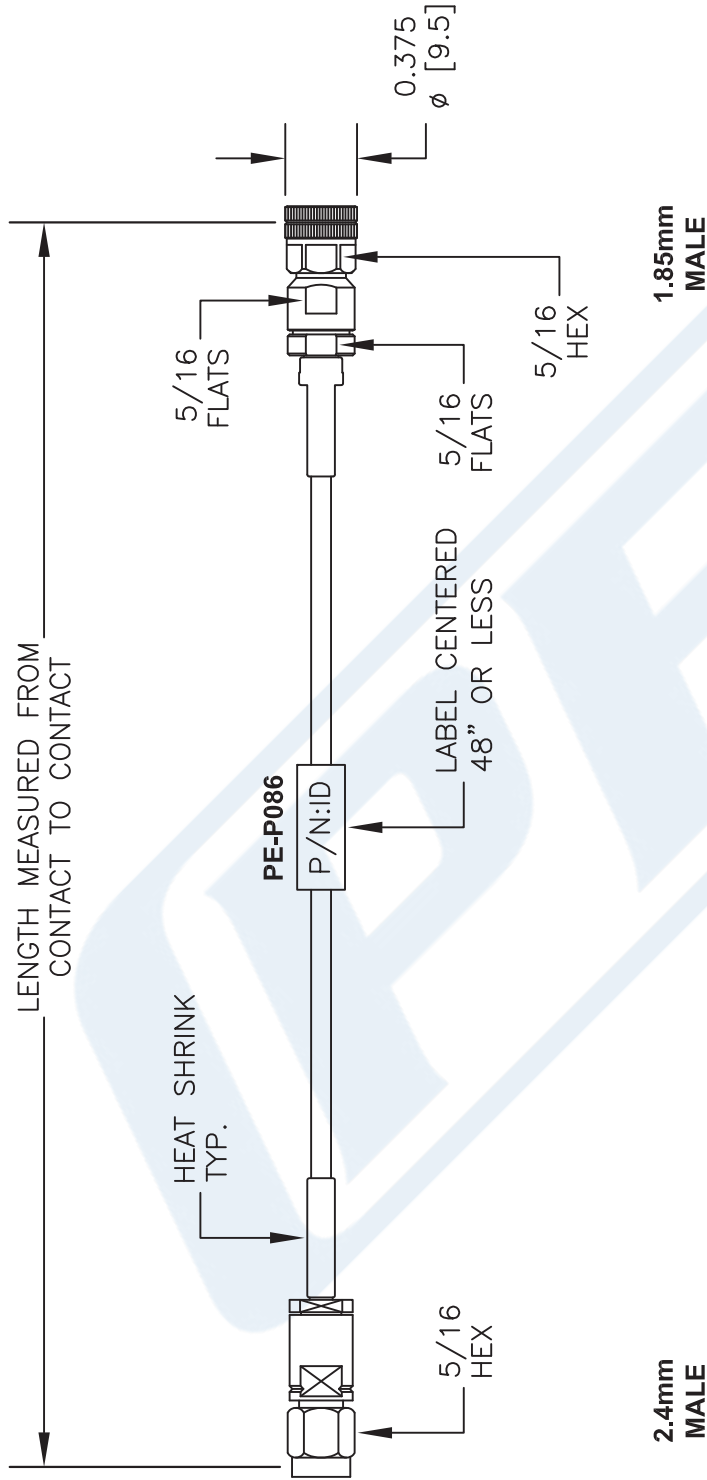
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 1.85mm Male Cable 48 Inch Length Using PE-P086 Coax PE3C0751-48](http://www.pasternack.com/2.4mm-male-1.85mm-male-pe-p086-cable-assembly-pe3c0751-48-p.aspx)

URL: <http://www.pasternack.com/2.4mm-male-1.85mm-male-pe-p086-cable-assembly-pe3c0751-48-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.

# PE3C0751-48 CAD Drawing

2.4mm Male to 1.85mm Male Cable 48 Inch Length Using PE-P086 Coax



How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
<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>CM = Centimeters &lt; Blank &gt; = Inches Length</div>	Examples	-12	12"	-25CM	25Cm
	PE3000LF-100	-24	24"	-50CM	50Cm
	PE3000-100	-36	36"	-75CM	75Cm
	PE3000LF-100CM	-48	48"	-100CM	100Cm
	PE3000-100CM	-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  
**PE3C0751**

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FSCM NO. 53919

CAD FILE 031214

SCALE N/A

SIZE A

2233