



2.4mm Male to 1.85mm Male Cable 24 Inch  
Length Using PE-P086 Coax

TECHNICAL DATA SHEET

PE3C0751-24

**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 24 Inch Length Using PE-P086 Coax PE3C0751-24](#)



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**Mechanical Specifications**

**Temperature**

Temperature Operating Range -55 to +200 deg C

**Size**

Length 24 in [609.6 mm]  
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)

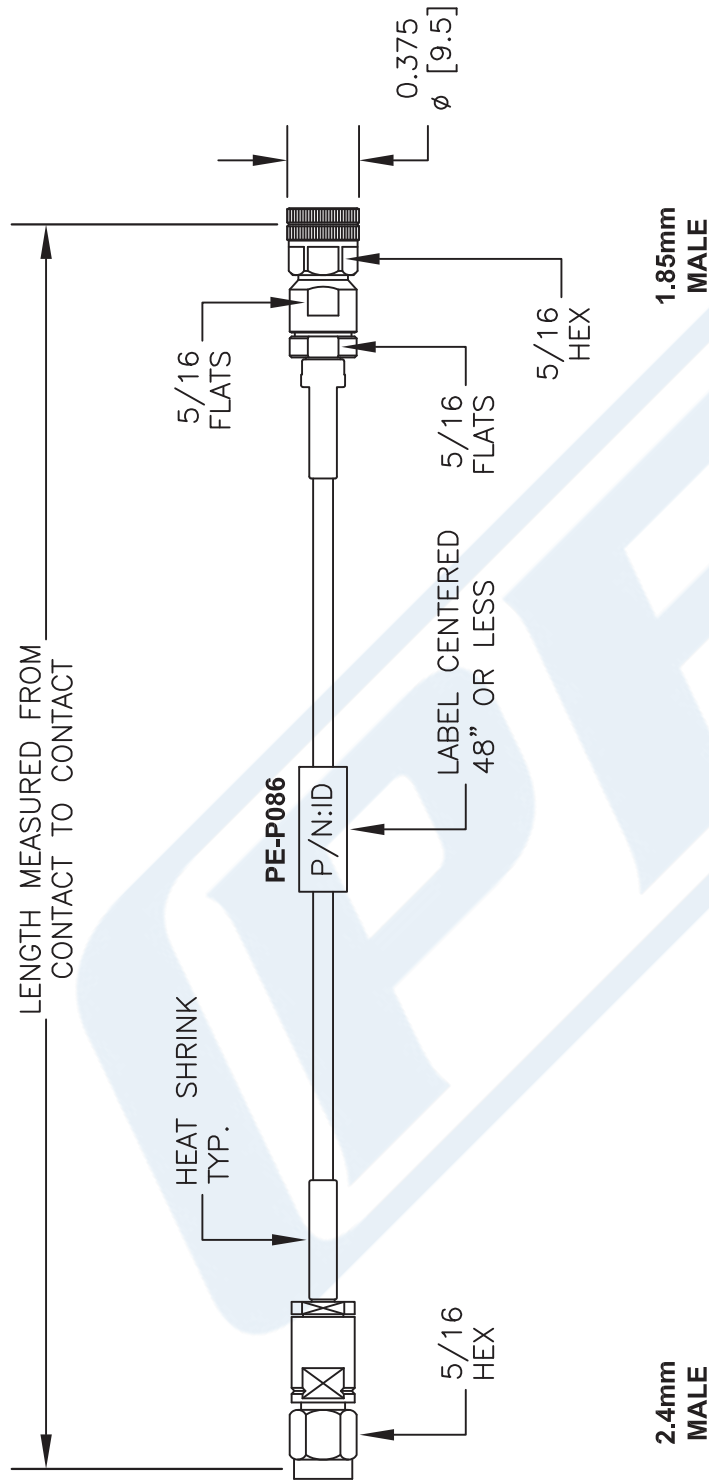
For RoHS Compliant version, use PE3c0751LF-24. Contact Pasternack if product cannot be found.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 1.85mm Male Cable 24 Inch Length Using PE-P086 Coax PE3C0751-24](#)

## PE3C0751-24

# PE3C0751-24 CAD Drawing

2.4mm Male to 1.85mm Male Cable 24 Inch Length Using PE-P086 Coax



| How To Order  |  |   |                  |             |                       |
|---|--|---|------------------|-------------|-----------------------|
| <div>Part Number Configuration</div> <div>PE3 <input type="text" value="zzz"/> <input type="text" value="yy"/> - <input type="text" value="xx"/> <input type="text" value="uu"/></div> <div>00 - 99999</div> <div>LF = RoHS Compliant</div> <div>&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</div> <div>&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                 |
|   |  | -xx   | Custom Length    | -xxCM       | Custom Length         |



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DWG TITLE

**PE3C0751**

- 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.

FSCM NO. 53919

CAD FILE 031214

SCALE N/A

SIZE A

2233