

## 1.85mm Male to 2.4mm Male Flexible Cable 100 CM Length Using PE-P086 Coax with HeatShrink



### RF Cable Assemblies Technical Data Sheet

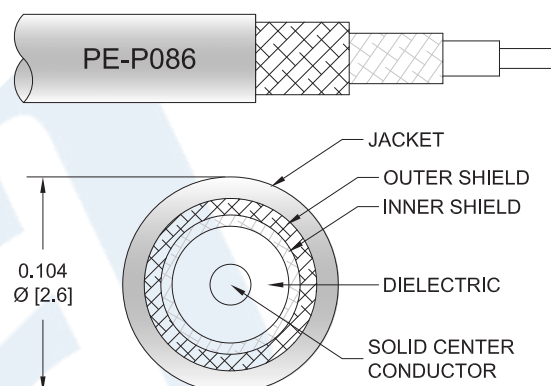
PE3C7759-100CM

#### Configuration

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

#### Features

- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C7759-100CM 1.85mm male to 2.4mm male 100 cm cable using PE-P086 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack 1.85mm to 2.4mm cable assembly has a male to male gender configuration with 50 ohm flexible PE-P086 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
VSWR			1.4:1	
Velocity of Propagation		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Length\*

39.37 in [100 cm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Male to 2.4mm Male Flexible Cable 100 CM Length Using PE-P086 Coax with Heat-Shrink PE3C7759-100CM](#)



## 1.85mm Male to 2.4mm Male Flexible Cable 100 CM Length Using PE-P086 Coax with HeatShrink

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Diameter 0.375 in [9.53 mm]

#### Cable

Cable Type PE-P086  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 2  
Shield Layer 1 Silver Plated Copper Tape  
Shield Layer 2 Silver Plated Copper Braid  
Jacket Material FEP, Blue  
Jacket Diameter 0.104 in [2.64 mm]

Repeated Minimum Bend Radius 0.5 in [12.7 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	1.85mm Male	2.4mm Male
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	50 µin minimum	MIL-G-45204
Dielectric Type	PPE	PPO
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	ASTM-A380
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	ASTM-A380
Hex Size	5/16 inch	5/16 inch
Torque		8 in-lbs [0.9 Nm]

#### Environmental Specifications

##### Temperature

Operating Range -55 to +200 deg C

#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

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Length Using PE-P086 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3C7759-100CM

**How to Order**

Part Number Configuration:

**PE3C7759**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3C7759-12 = 12 inches long cable  
PE3C7759-100cm = 100 cm long cable

1.85mm Male to 2.4mm Male Flexible Cable 100 CM Length Using PE-P086 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

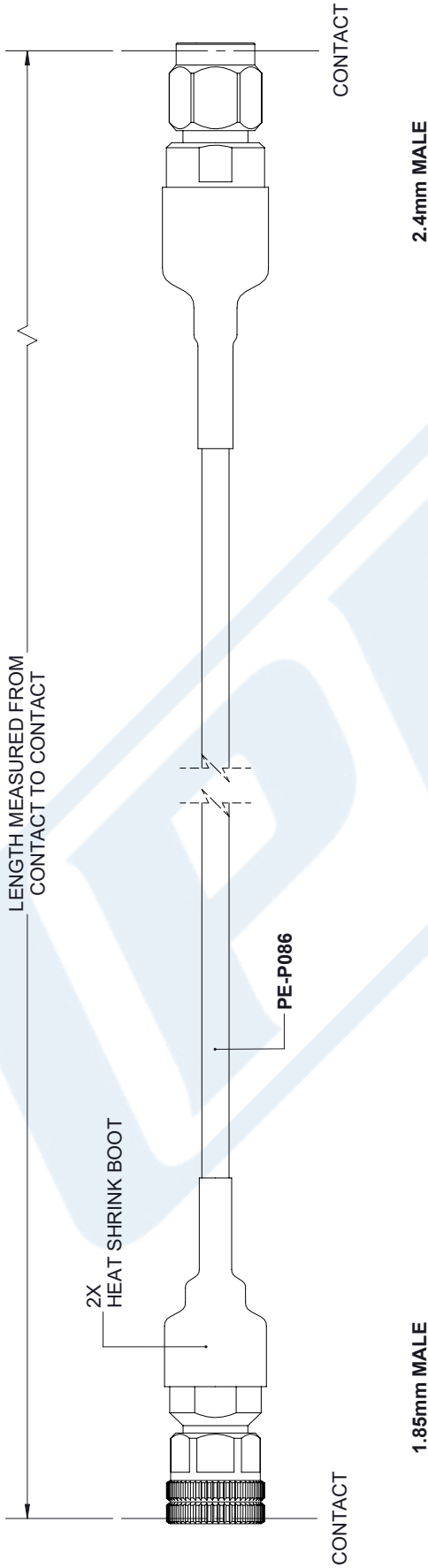
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Male to 2.4mm Male Flexible Cable 100 CM Length Using PE-P086 Coax with HeatShrink PE3C7759-100CM](https://www.pasternack.com/1.85mm-male-2.4mm-male-pe-p086-cable-assembly-pe3c7759-100cm-p.aspx)

URL: <https://www.pasternack.com/1.85mm-male-2.4mm-male-pe-p086-cable-assembly-pe3c7759-100cm-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.

# **PE3C7759-100CM CAD Drawing** 1.85mm Male to 2.4mm Male Flexible Cable 100 CM Length Using PE-P086 Coax with HeatShrink

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	4/14/2021	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ± .2 [ .08 ]	FRACTIONS ± 1/32
.XX = ± .02 [ .51 ]	ANGLES ± 1°
.XXX = ± .005 [ .13 ]	
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [ 305 ] = +1 [ 25 ] / -0	
12 [ 305 ] < L ≤ 60 [ 1524 ] = +2 [ 51 ] / -0	
60 [ 1524 ] < L ≤ 120 [ 3048 ] = +4 [ 102 ] / -0	
120 [ 3048 ] < L ≤ 300 [ 7620 ] = +6 [ 152 ] / -0	
300 [ 7620 ] < L = +5% / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

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SIZE	ITEM NO.
A	53919
DRAWN BY	PE3C7759
K.DANG	REV
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THIRD-ANGLE PROJECTION	
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SHEET	1 OF 1
SCALE	N/A

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