



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

RF Cable Assemblies Technical Data Sheet

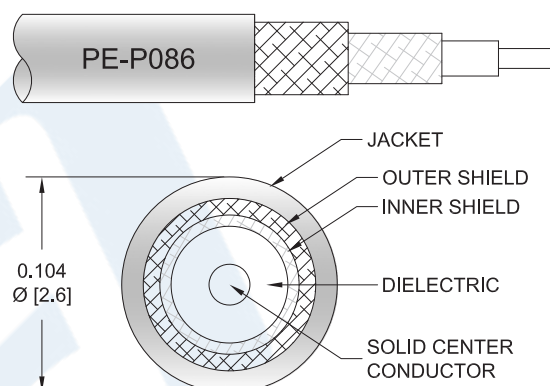
PE3C7759-48

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 PE3C7759-48 1.85mm male to 2.4mm male 48 inch 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*

48 in [121.92 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 48 Inch Length Using PE-P086 Coax with Heat-Shrink PE3C7759-48](#)



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

RF Cable Assemblies Technical Data Sheet

PE3C7759-48

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:

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 48 Inch Length Using PE-P086 Coax with Heat-Shrink PE3C7759-48](#)



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

RF Cable Assemblies Technical Data Sheet

PE3C7759-48

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 48 Inch 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.

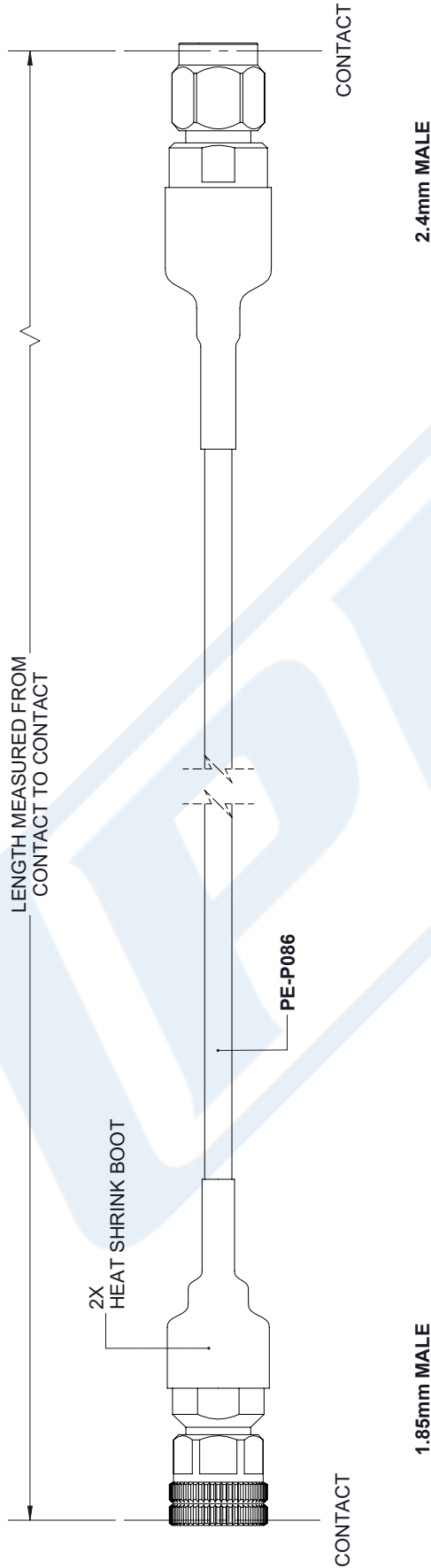
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Male to 2.4mm Male Flexible Cable 48 Inch Length Using PE-P086 Coax with HeatShrink PE3C7759-48](https://www.pasternack.com/1.85mm-male-2.4mm-male-pe-p086-cable-assembly-pe3c7759-48-p.aspx)

URL: <https://www.pasternack.com/1.85mm-male-2.4mm-male-pe-p086-cable-assembly-pe3c7759-48-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.

PE3C7759-48 CAD Drawing

1.85mm Male to 2.4mm Male Flexible Cable 48 Inch
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
.XX = ± .02 [.51] ± 1/32
.XXX = ± .005 [.13] ANGLES ± 1°

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.



THE INFORMATION AND
DESIGN IN THIS DOCUMENT
IS THE PROPERTY OF
PASTERNAK CORPORATION
ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

REV A



Pasternack Enterprises, Inc.
P.O. Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376

Fax: 1.949.261.7451
Website: www.pasternack.com
E-mail: sales@pasternack.com

SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. PE3C7759

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE
WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.