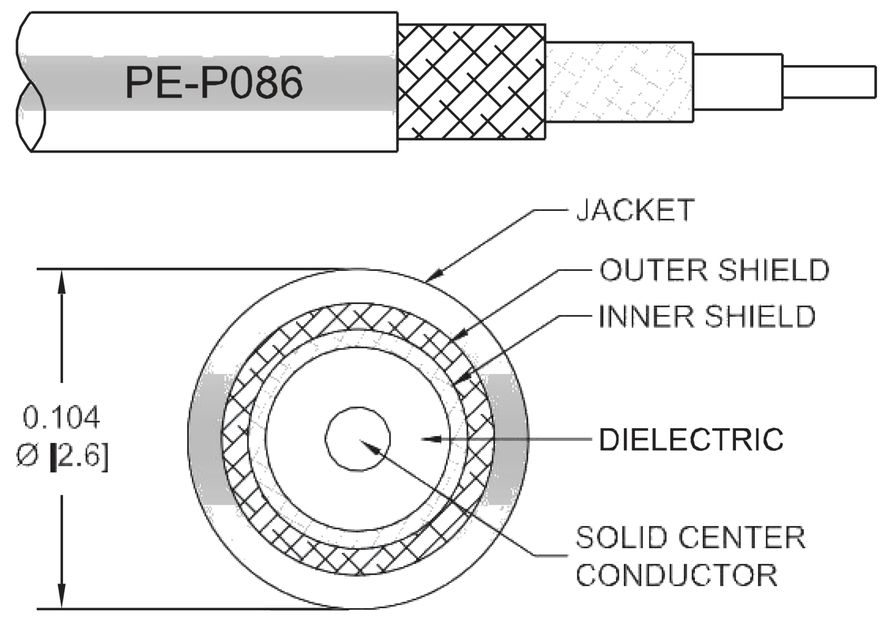
1.85mm Male to 1.85mm Male Cable 48 Inch Length Using ET3834

1 Coax

RF Cable Assemblies Technical Data Sheet ET13251

Configuration

- Connector 1: 1.85mm Male
- Connector 2: 1.85mm Male
- Cable Type: ET38341



Features

- Max Frequency 40 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Ebeestock's ET13251 1.85mm male to 1.85mm male 48 inch cable using ET38341 coax is part of our full line of RF components available for same-day shipping. Ebeestock's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Ebeestock 1.85mm to 1.85mm cable assembly has a male to male gender configuration with 50 ohm flexible ET38341 coax. The ET13251 1.85mm male to 1.85mm male cable assembly operates to 40 GHz. The double shielding of this Ebeestock 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
Frequency Range	DC		40	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

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 1.85mm Male Cable 48 Inch Length Using ET38341 Coax ET13251

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park,
Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.

Webstie:www.ebeestock.com Email:sales@ebeestock.com

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	3	5	10	18	GHz
Insertion Loss (Typ.)	1.15	1.96	2.53	3.66	4.76	dB
VSWR (Max.)	1.3:1	1.3:1	1.3:1	1.4:1	1.4:1	

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.375 in [9.53 mm]
Weight	0.055 lbs [24.95 g]

Cable

Cable Type	ET38341
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	0.1 in [2.54 mm]
One Time Minimum Bend Radius	0.4 in [10.16 mm]
Repeated Minimum Bend Radius	1.57 in [39.88 mm]

Connectors

Description	Connector 1	Connector 2
Type	1.85mm Male	1.85mm Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	Noryl	Noryl
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 Inch	5/16 Inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

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RF Cable Assemblies Technical Data Sheet ET13251

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8”, whichever is greater.

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration: **ET3C0752 - xx uu**

- uu: Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx: Length
- ET3C0752: Base Number

Example: ET3C0752-12 = 12 inches long cable
ET3C0752-100cm = 100 cm long cable

1.85mm Male to 1.85mm Male Cable 48 Inch Length Using ET38341 Coax from Ebeestock 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 1.85mm Male Cable 48 Inch Length Using ET38341 Coax ET13251

URL: https://www.ebeestock.com/1-85mm-male-to-1-85mm-male-cable-12-inch-length-using-pe-p086-coax-0013248

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. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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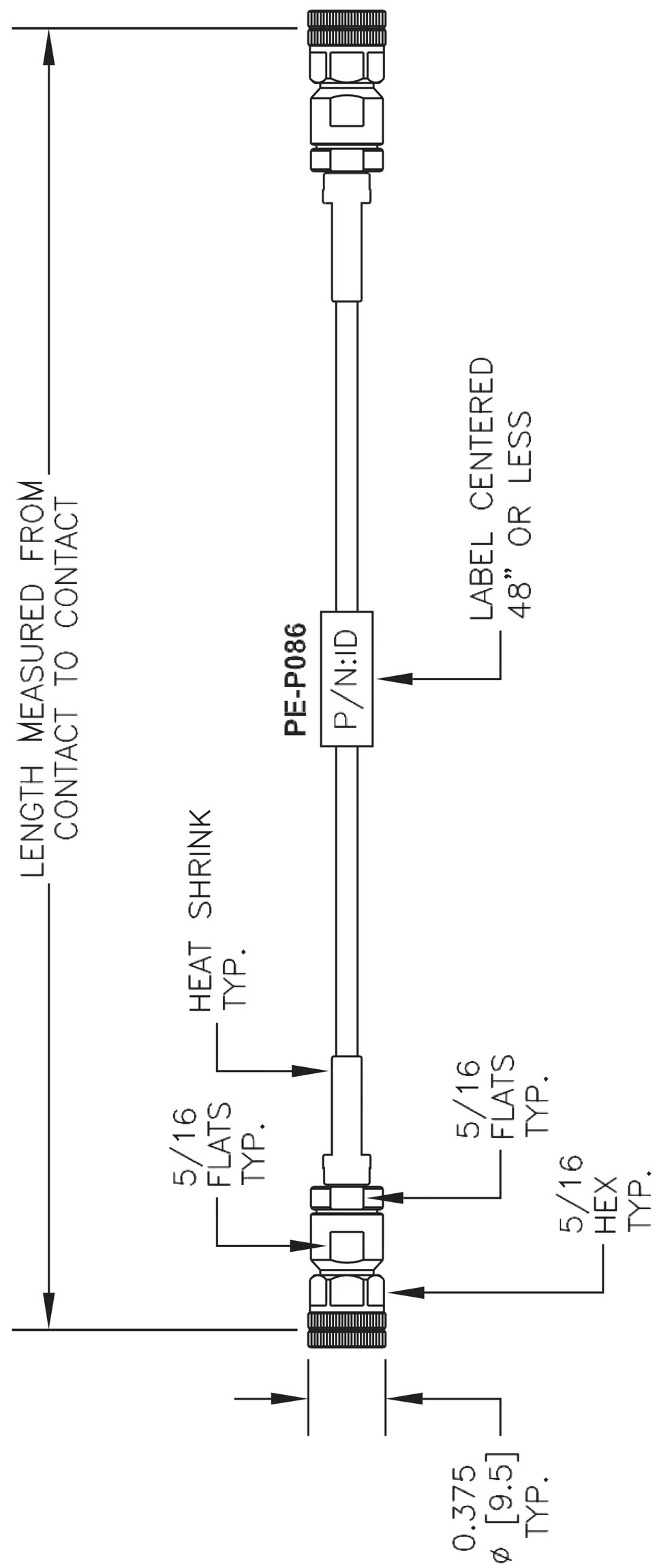
ET13251 CAD Drawing

1.85mm Male to 1.85mm Male Cable 48 Inch Length Using ET38341 Coax



How To Order

Part Number Configuration

PE3 [///] [yy] - [xx] [uu]

00 - 99999

LF = RoHS Compliant
< Blank > = Standard

Note: LF applies only to RF cables

CM = Centimeters
< Blank > = Inches

Length

Examples

PE3000LF-100
PE3000-100
PE3000LF-100CM
PE3000-100CM

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

DWG TITLE

PE3C0752

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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

FSCM NO. 53919

CAD FILE 031214

SCALE N/A

SIZE A

2233

ebeestock

Ebeestock.com

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and Technology Center Industrial Park,
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Webstie: www.ebeestock.com **Email:** sales@ebeestock.com

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