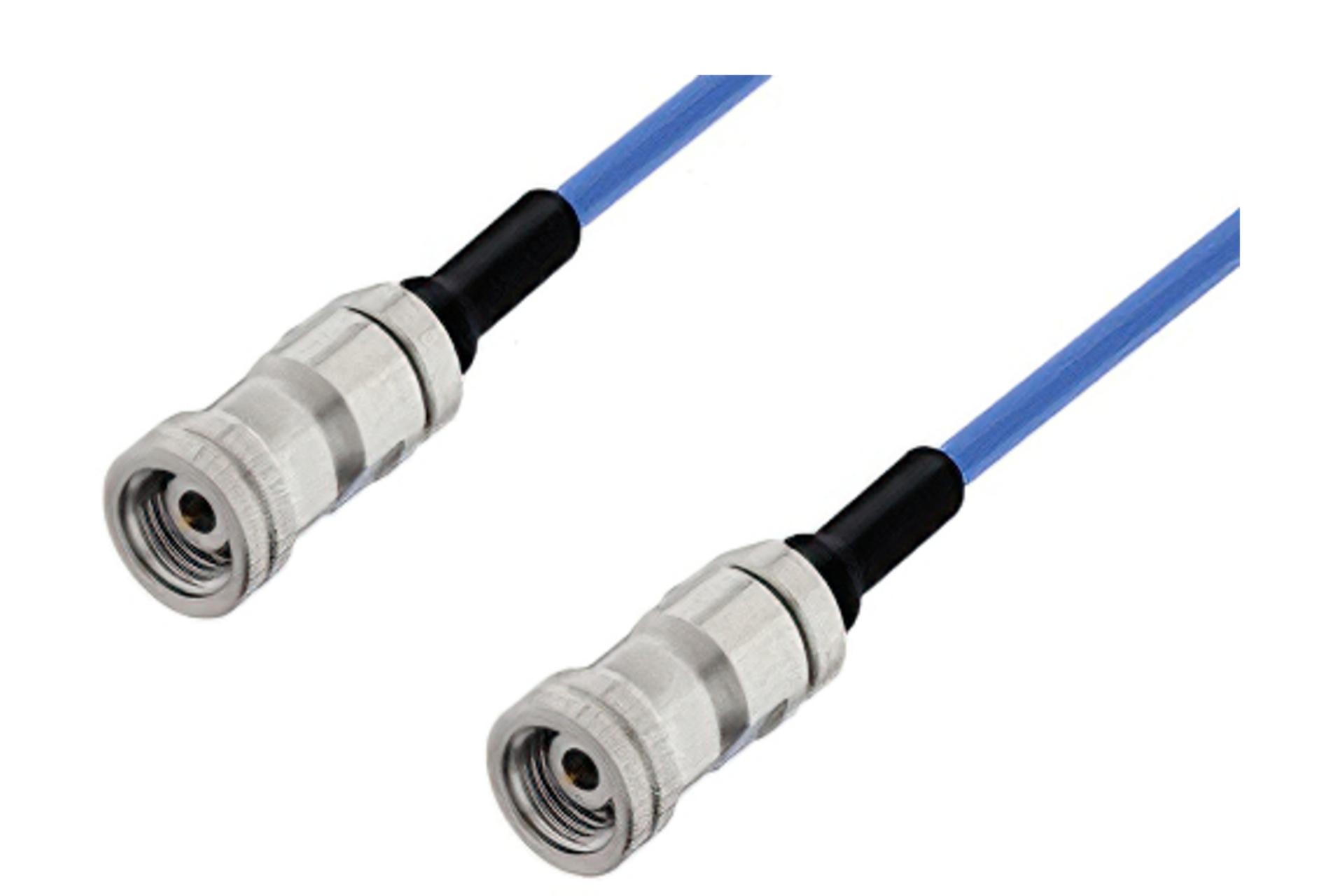


1.85mm Male to 1.85mm Male Cable 24 Inch Length Using ET3834 1 Coax



RF Cable Assemblies Technical Data Sheet

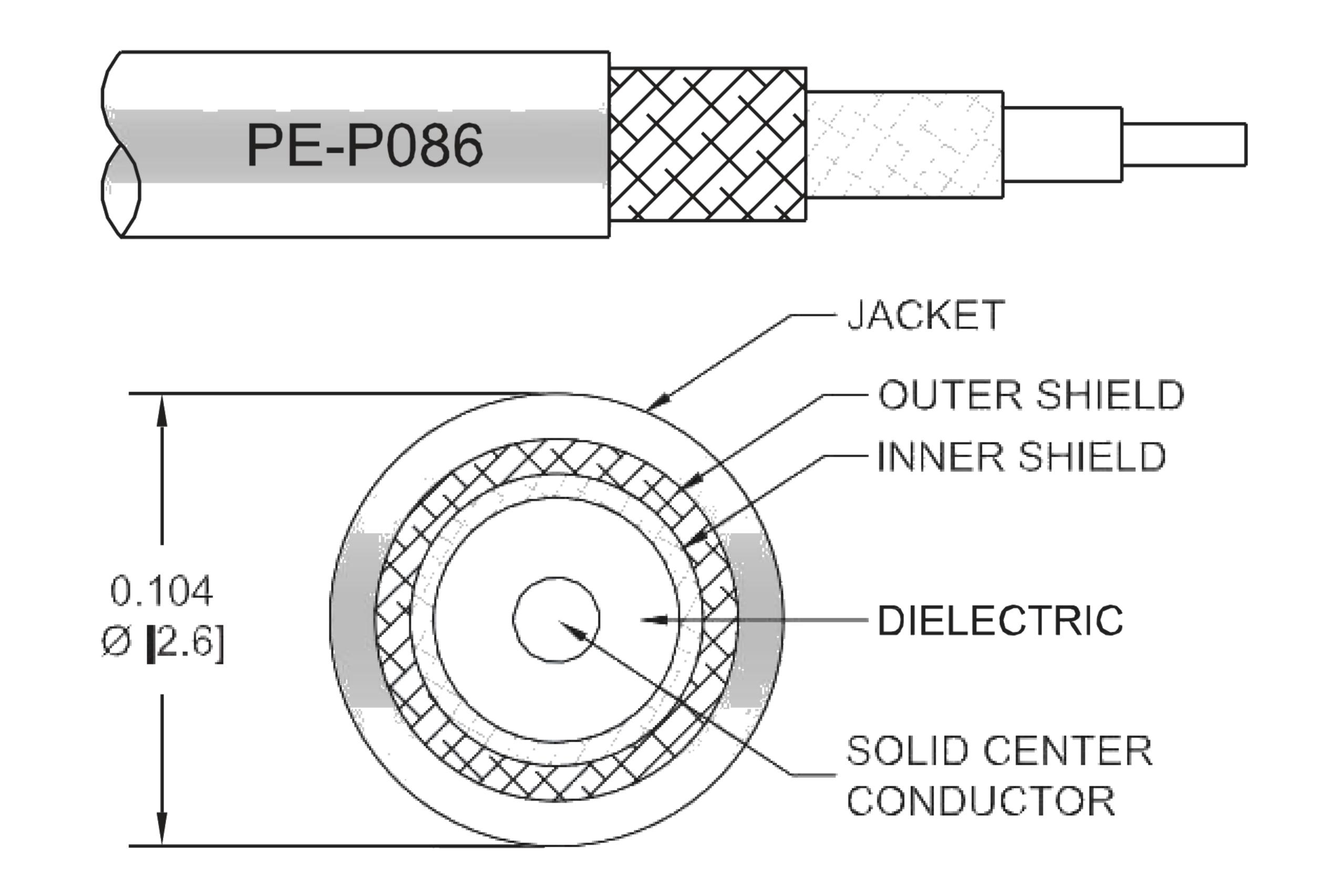
ET13249

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 ET13249 1.85mm male to 1.85mm male 24 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 ET13249 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 24 Inch Length Using ET38341 Coax ET13249



1.85mm Male to 1.85mm Male Cable 24 Inch Length Using ET3834 1 Coax



RF Cable Assemblies Technical Data Sheet

ET13249

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency | 1 | 3 | 5 | 10 | 18 | GHz |
| Insertion Loss (Typ.) | 0.68 | 1.08 | 1.37 | 1.93 | 2.48 | dB |
| VSWR (Max.) | 1.3:1 | 1.3:1 | 1.3:1 | 1.4:1 | 1.4:1 | |

Mechanical Specifications

Cable Assembly

 Length*
 24 in [609.6 mm]

 Diameter
 0.375 in [9.53 mm]

 Weight
 0.042 lbs [19.05 g]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38341
50 Ohms
Solid

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type
Number of Shields

2

Shield Layer 1
Silver Plated Copper Tape
Shield Layer 2
Silver Plated Copper Braid
Silver Plated Copper Braid

Jacket Material

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] | | |

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 24 Inch Length Using ET38341 Coax ET13249

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



1.85mm Male to 1.85mm Male Cable 24 Inch Length Using ET3834 1 Coax



RF Cable Assemblies Technical Data Sheet

ET13249

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)

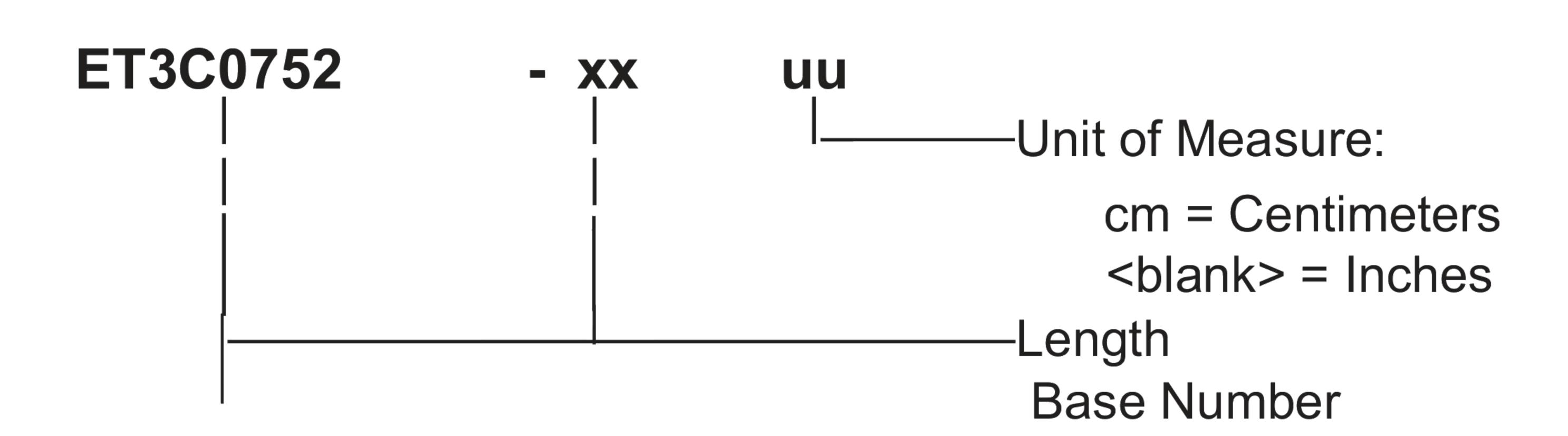
Plotted and Other Data

Notes:

Values at 25°C, sea level.

How to Order

Part Number Configuration:



ET3C0752-12 = 12 inches long cable Example:

ET3C0752-100cm = 100 cm long cable

1.85mm Male to 1.85mm Male Cable 24 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 24 Inch Length Using ET38341 Coax ET13249

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

www.ebeestock.com

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

ET13249 CAD Drawing

1.85mm Male to 1.85mm Male Cable 24 Inch Length Using ET38341 Coax

