



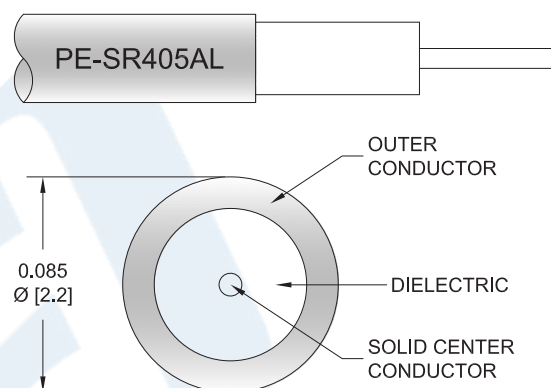
## 2.4mm Male to 2.4mm Female Cable Using PE-SR405AL Coax

### RF Cable Assemblies Technical Data Sheet

PE3W00790

#### Configuration

- Connector 1: 2.4mm Male
- Connector 2: 2.4mm Female
- Cable Type: PE-SR405AL



#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 40      | GHz   |
| VSWR            |         |         | 1.4:1   |       |
| Return Loss     |         |         | -15.563 | dB    |

#### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency             | 1    | 10   | 20   |    |    | GHz   |
| Insertion Loss (Typ.) | 0.23 | 0.81 | 1.31 |    |    | dB/m  |
|                       | 0.75 | 2.66 | 4.3  |    |    | dB/ft |

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per Connector.

#### Mechanical Specifications

##### Cable Assembly

|          |                     |
|----------|---------------------|
| Diameter | 0.33 in [8.38 mm]   |
| Weight   | 0.026 lbs [11.79 g] |

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 2.4mm Female Cable Using PE-SR405AL Coax PE3W00790](#)



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#### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | PE-SR405AL                |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Shield Layer 1                       | Tinned Aluminum           |
| Outer Conductor Diameter             | 0.086 in [2.18 mm]        |

#### Connectors

| Description                        | Connector 1                | Connector 2                   |
|------------------------------------|----------------------------|-------------------------------|
| Type                               | 2.4mm Male                 | 2.4mm Female                  |
| Impedance                          | 50 Ohms                    | 50 Ohms                       |
| Contact Material and Plating       | Beryllium Copper, Gold     | Beryllium Copper, Gold        |
| Contact Plating Specification      | MIL-G-45204                | MIL-G-45204, Type II, Class 2 |
| Dielectric Type                    | Noryl                      | PEI                           |
| Body Material and Plating          | Passivated Stainless Steel | Passivated Stainless Steel    |
| Body Plating Specification         | ASTM A380                  | QQ-P-35                       |
| Coupling Nut Material and Plating  | Passivated Stainless Steel |                               |
| Coupling Nut Plating Specification | ASTM A380                  |                               |
| Hex Size                           | 5/16 in.                   |                               |
| Torque                             | 8 in-lbs [0.9 Nm]          |                               |

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

**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: [2.4mm Male to 2.4mm Female Cable Using PE-SR405AL Coax PE3W00790](#)



## 2.4mm Male to 2.4mm Female Cable Using PE-SR405AL Coax

### RF Cable Assemblies Technical Data Sheet

PE3W00790

#### How to Order

Part Number Configuration:

**PE3W00790**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W00790-12 = 12 inches long cable  
 PE3W00790-100cm = 100 cm long cable

2.4mm Male to 2.4mm Female Cable Using PE-SR405AL Coax 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.

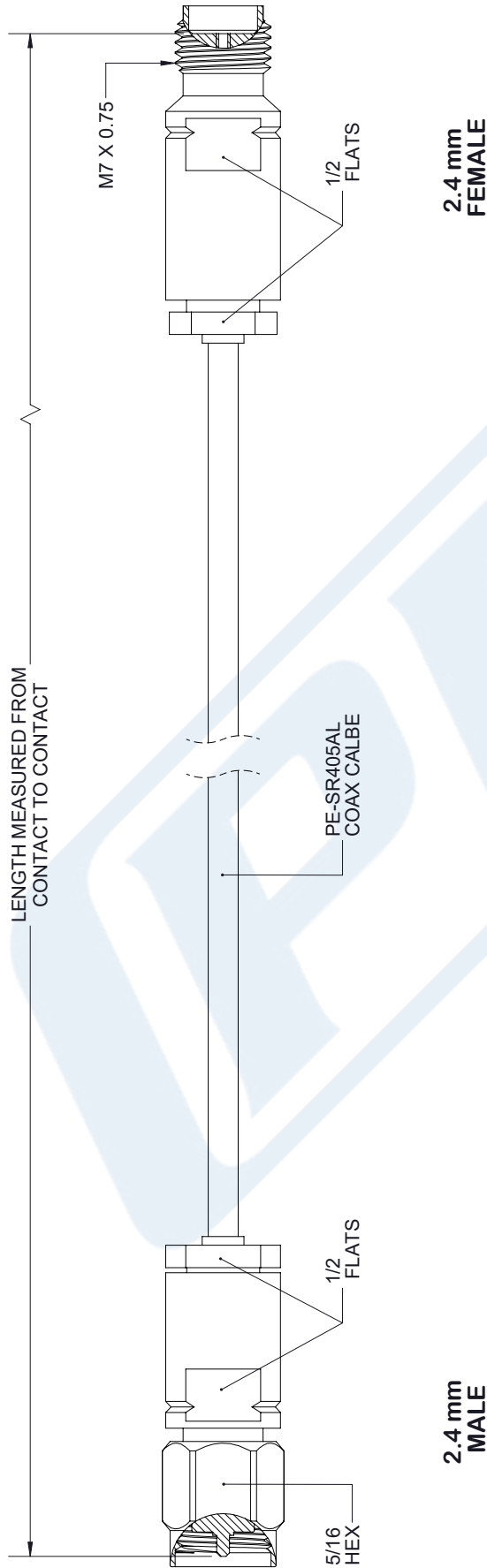
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 2.4mm Female Cable Using PE-SR405AL Coax PE3W00790](https://www.pasternack.com/2.4mm-male-2.4mm-female-pe-sr405al-cable-assembly-pe3w00790-p.aspx)

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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.

# PE3W00790 CAD Drawing

2.4mm Male to 2.4mm Female Cable Using PE-SR405AL Coax



| STANDARD TOLERANCES |        |
|---------------------|--------|
| .X                  | ±0.2   |
| .XX                 | ±0.01  |
| .XXX                | ±0.005 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE3W00790

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].

CAGE CODE 53919

CAD FILE 092717

SCALE N/A

SIZE A

7361