

SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax



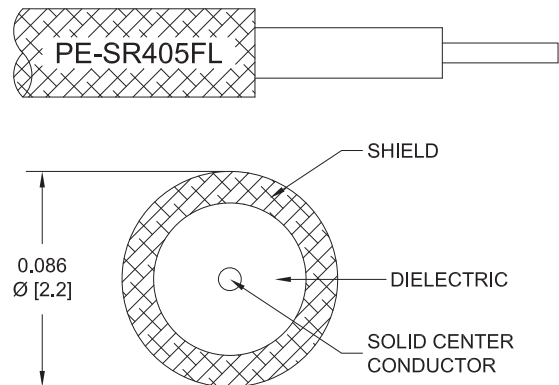
PE3C2755

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR405FL
- Coax Flex Type: Formable

Features

- Max Frequency 10 GHz
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2755 SMA male to SMA male right angle cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMA to SMA cable assembly has a male to male gender configuration with 50 ohm formable PE-SR405FL coax. The PE3C2755 SMA male to SMA male cable assembly operates to 10 GHz. The right angle SMA interface on the PE-SR405FL cable allows for easier connections in tight spaces.

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 | | 10 | GHz |
| Velocity of Propagation | | 69.5 | | % |
| Capacitance | | 29 [95.14] | | pF/ft [pF/m] |

Specifications by Frequency

SMA Male to SMA Male Right Angle
Cable Using PE-SR405FL Coax



PE3C2755

| Part Number | Length | Description | F1 | F2 | F3 | F4 | F5 | Units | Weight (lbs) |
|-------------|--------------------------|-----------------------|------|------|-------|-------|-------|-------|--------------|
| | | | 500 | 1000 | 2500 | 5000 | 10000 | MHz | |
| PE3C2755 | Custom Lengths Available | Insertion Loss (Typ.) | 0.15 | 0.23 | 0.346 | 0.549 | 0.812 | dB/ft | |
| | | | 0.5 | 0.74 | 1.14 | 1.81 | 2.67 | dB/m | |
| PE3C2755-6 | 6 inch | Insertion Loss (Typ.) | 0.38 | 0.42 | 0.48 | 0.58 | 0.71 | dB | 0.03 |
| PE3C2755-9 | 9 inch | Insertion Loss (Typ.) | 0.42 | 0.47 | 0.56 | 0.72 | 0.91 | dB | 0.03 |
| PE3C2755-12 | 12 inch | Insertion Loss (Typ.) | 0.45 | 0.53 | 0.65 | 0.85 | 1.12 | dB | 0.04 |
| PE3C2755-24 | 24 inch | Insertion Loss (Typ.) | 0.6 | 0.75 | 1 | 1.4 | 1.93 | dB | 0.05 |
| PE3C2755-36 | 36 inch | Insertion Loss (Typ.) | 0.75 | 0.98 | 1.34 | 1.95 | 2.74 | dB | 0.06 |

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB
 Loss due to Connector 2: 0.2 dB
 Base Weight: 0.032 pounds
 Additional Weight per Inch: 0.00092 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
 Weight 0.032 lbs [14.51 g]

Cable

Cable Type PE-SR405FL
 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 Copper Braid

SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax



PE3C2755

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|-----------------------|----------------------------|
| Type | SMA Male | SMA Male Right Angle |
| Specification | MIL-STD-348A | |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Right Angle |
| Mating Cycles | 500 | |
| Contact Material and Plating | Brass, Gold | Brass, Gold over Nickel |
| Contact Plating Specification | 50 μ in minimum | 8 μ in minimum |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Stainless Steel, Gold | Brass, Gold over Nickel |
| Body Plating Specification | 10 μ in minimum | 4 μ in minimum |
| Coupling Nut Material and Plating | Brass, Nickel | Passivated Stainless Steel |
| Coupling Nut Plating Specification | 100 μ in minimum | |
| Hex Size | 5/16 in. | 5/16 in. |
| Torque | 5 in-lbs 0.57 Nm | 8 in-lbs 0.9 Nm |
| Seal Gasket Material | Silicone | |

Environmental Specifications

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

Plotted and Other Data

Notes:

SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax



PE3C2755

Typical Performance Data

How to Order

Part Number Configuration:

PE3C2755

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C2755-12 = 12 inches long cable
PE3C2755-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR405FL 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.

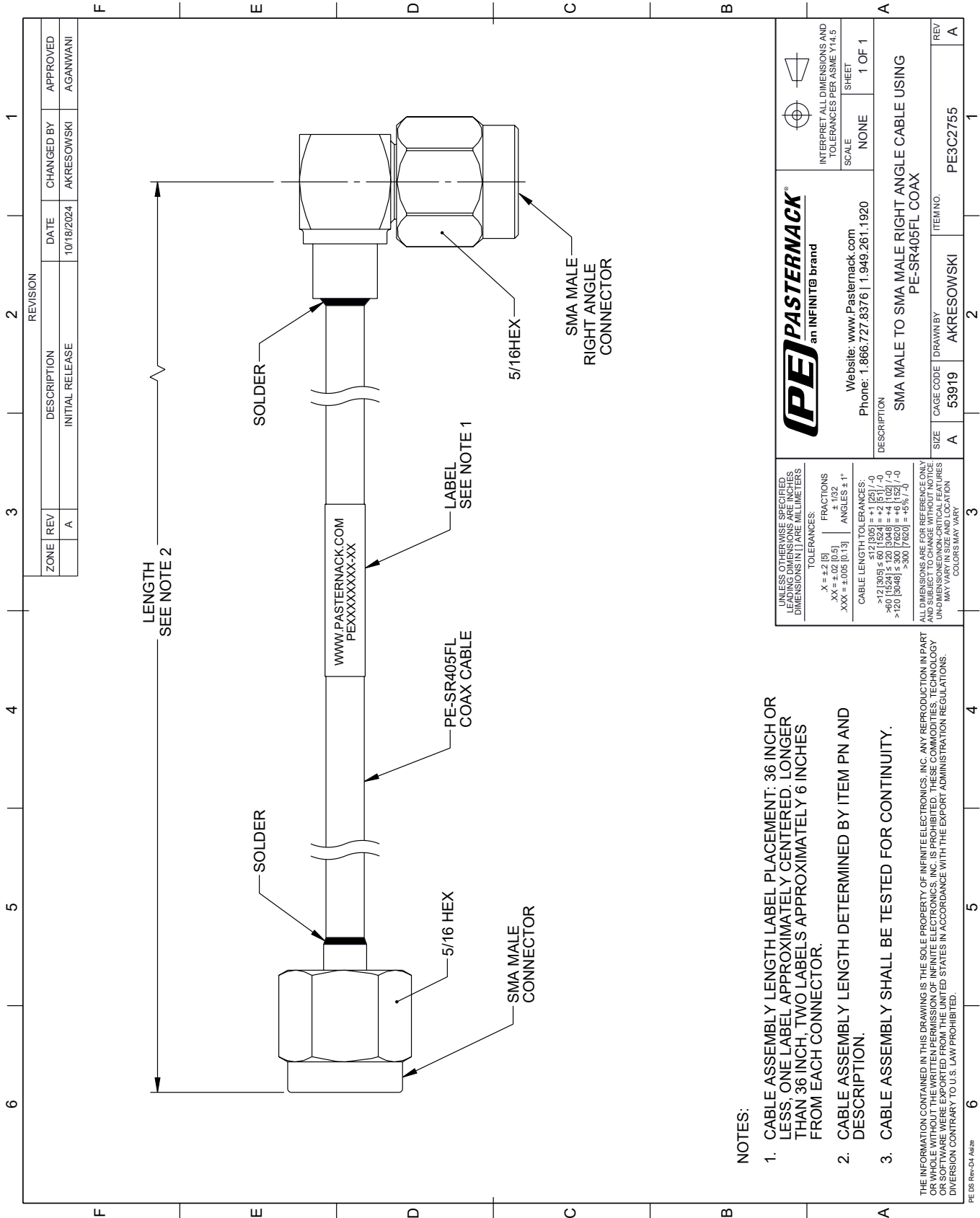
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax PE3C2755](#)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr405fl-pe3c2755-p.aspx>

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

PE3C2755 CAD Drawing

SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE ARE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

PE DS Rev-D4 Add2

| REVISION | | DATE | CHANGED BY | APPROVED |
|----------|-----|-------------|-----------------|----------|
| ZONE | REV | DESCRIPTION | INITIAL RELEASE | |
| | A | | | AGANWANI |

| | | | |
|---|------------|--|----------|
| | | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 | |
| Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.281.1920 | | SCALE | NONE |
| DESCRIPTION SMA MALE TO SMA MALE RIGHT ANGLE CABLE USING PE-SR405FL COAX | | SHEET | 1 OF 1 |
| SIZE | A | CAGE CODE | 53919 |
| DRAWN BY | AKRESOWSKI | ITEM NO. | PE3C2755 |

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS
 ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 <12 [305] ≤ 60 [1524] = ±.1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.6 [152] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.