



SMA Male to SMA Male Right Angle Cable 12 Inch Length Using RG188 Coax

RF Cable Assemblies Technical Data Sheet

PE3W04442-12

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: RG188

Features

- Max Frequency 400 MHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04442-12 SMA male to SMA male right angle 12 inch cable using RG188 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 SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG188 coax. The PE3W04442-12 SMA male to SMA male cable assembly operates to 400 MHz. The right angle SMA interface on the RG188 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 | | 400 | MHz |
| VSWR | | | 1.4:1 | |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-----|----|----|----|----|-------|
| Frequency | 400 | | | | | MHz |
| Insertion Loss (Max.) | 0.5 | | | | | dB |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

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 12 Inch Length Using RG188 Coax PE3W04442-12](#)



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Mechanical Specifications

Cable Assembly

| | |
|----------|------------------|
| Length* | 12 in [304.8 mm] |
| Diameter | 0.315 in [8 mm] |

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG188 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Jacket Material | PTFE, White |
| Jacket Diameter | 0.11 in [2.79 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|--------------------|----------------------|
| Type | SMA Male | SMA Male Right Angle |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 30 µin minimum | 50 µin minimum |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100 µin minimum | 100 µin minimum |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Specification | 100 µin minimum | 100 µin minimum |
| Hex Size | 5/16 inch | 5/16 inch |
| Torque | 3 in-lbs [0.34 Nm] | 3 in-lbs [0.34 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:

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PE3W04442-12

How to Order

Part Number Configuration:

PE3W04442

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W04442-12 = 12 inches long cable
PE3W04442-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable 12 Inch Length Using RG188 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 12 Inch Length Using RG188 Coax PE3W04442-12](https://www.pasternack.com/sma-male-sma-male-rg188au-cable-assembly-pe3w04442-12-p.aspx)

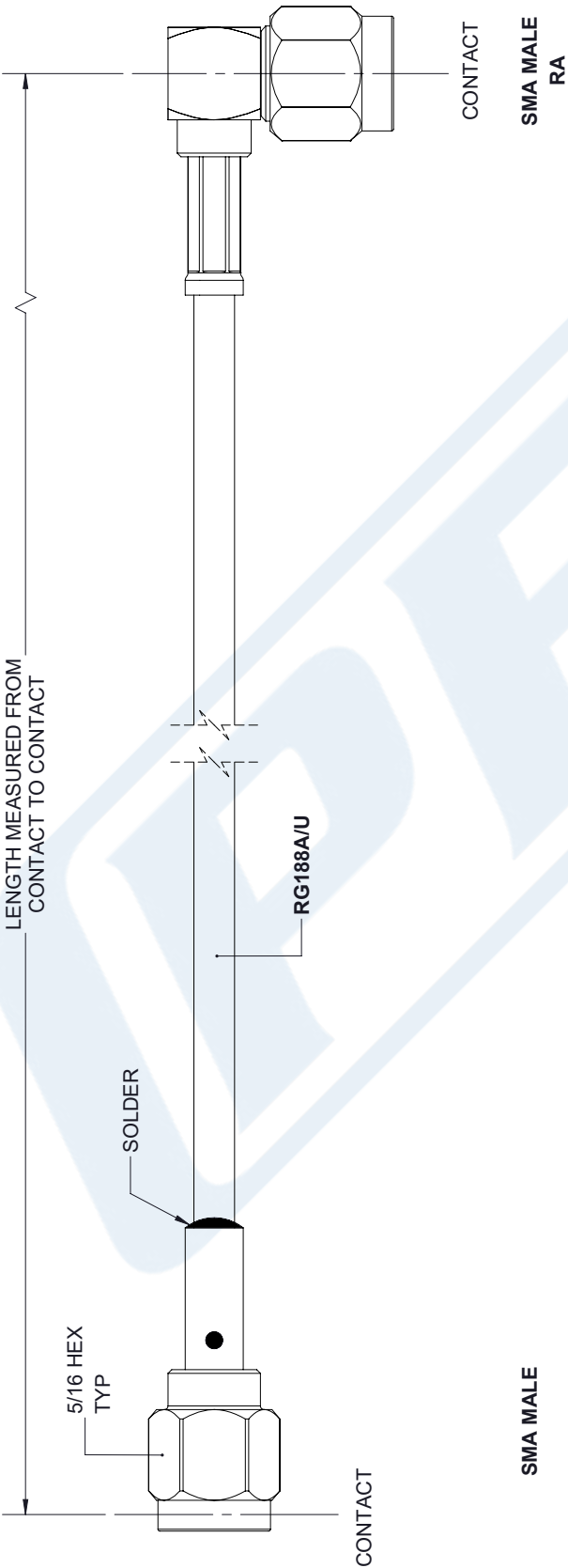
URL: <https://www.pasternack.com/sma-male-sma-male-rg188au-cable-assembly-pe3w04442-12-p.aspx>

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PE3W04442-12 CAD Drawing

SMA Male to SMA Male Right Angle Cable 12 Inch Length Using RG188 Coax

| REVISIONS | | | |
|-----------|-----------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 04/23/19 | SELLIS |



| | |
|--|-------------|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | |
| TOLERANCES: | FRACTIONS |
| X±.2 [5.08] | ±.132 |
| .XX±.01 [.25] | ±.132 |
| .XXX±.005 [.13] | ANGLES ± 1° |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | |
| THIRD-ANGLE PROJECTION | |

| | |
|---|-----------|
| PE PASTERNAK an INFINITI brand | |
| Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com | |
| SIZE | CAGE |
| A | 53919 |
| DRAWN BY | K.DANG |
| PART NUMBER | PE3W04442 |
| REV | A |

| | |
|--|--------|
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| SHEET | 1 OF 1 |
| SCALE | N/A |

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