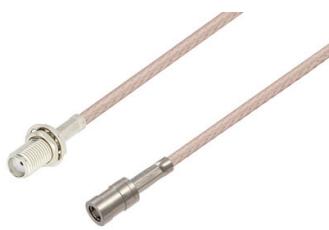


SMA Female Bulkhead to SMB Plug Cable Using RG316 Coax



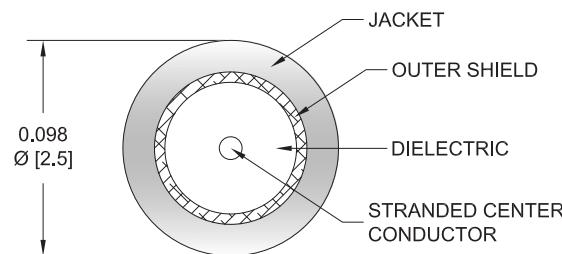
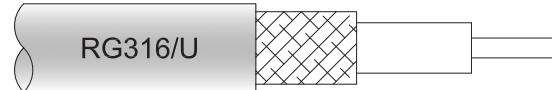
PE33027

Configuration

- Connector 1: SMA Female Bulkhead
- Connector 2: SMB Plug
- Cable Type: RG316
- Coax Flex Type: Flexible

Features

- 69% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33027 SMA female bulkhead to SMB plug cable using RG316 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 SMB cable assembly has a female to plug gender configuration with 50 ohm flexible RG316 coax. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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 |
|-------------------------|---------|---------|---------|-------|
| Velocity of Propagation | | 69 | | % |
| Jacket Spark | | | 2,000 | Vrms |

Mechanical Specifications

Cable Assembly

Weight

0.03 lbs [13.61 g]

Cable

Cable Type

RG316

Impedance

50 Ohms

Inner Conductor Type

Stranded

Inner Conductor Material and Plating

Copper Clad Steel, Silver

Dielectric Type

PTFE

SMA Female Bulkhead to SMB Plug Cable Using RG316 Coax



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| | |
|-------------------|----------------------------|
| Number of Shields | 1 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.102 in [2.59 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|--------------------------------------|------------------------|------------------------|
| Type | SMA Female Bulkhead | SMB Plug |
| Specification | MIL-STD-348 | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Contact Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Contact Plating Specification | MIL-G-45204 | 30 μ in minimum |
| Dielectric Type | | PTFE |
| Outer Conductor Material and Plating | Brass, Nickel | |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | | 100 μ in minimum |
| Coupling Nut Material and Plating | | Brass, Nickel |
| Coupling Nut Plating Specification | | 100 μ in minimum |

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

SMA Female Bulkhead to SMB Plug Cable Using RG316 Coax

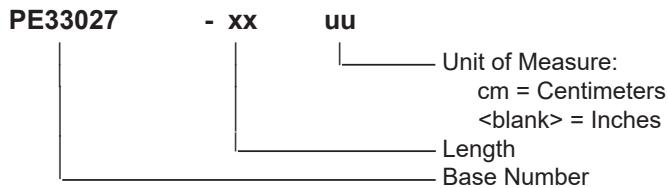


PE33027

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE33027-12 = 12 inches long cable
PE33027-100cm = 100 cm long cable

SMA Female Bulkhead to SMB Plug Cable Using RG316 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 Female Bulkhead to SMB Plug Cable Using RG316 Coax PE33027](#)

URL: <https://www.pasternack.com/sma-female-bulkhead-to-smb-plug-cable-using-rg316-pe33027-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.

PE33027 CAD Drawing

SMA Female Bulkhead to SMB Plug Cable Using RG316 Coax

