

SMA Male Right Angle to SMA Male Cable 150 cm Length Using RG316-DS Coax with HeatShrink

PE3W06660-150CM

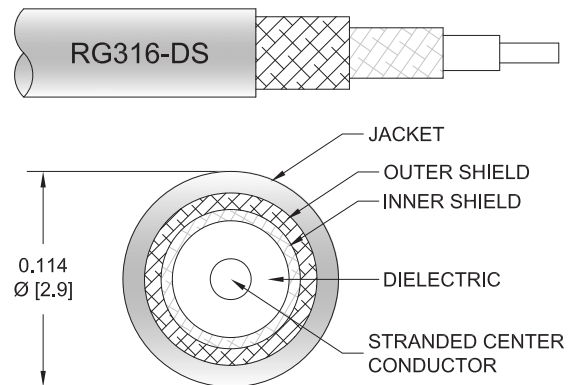


Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMA Male
- Cable Type: RG316-DS
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06660-150CM SMA male right angle to SMA male 150 cm cable using RG316-DS 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 RG316-DS coax. The PE3W06660-150CM SMA male to SMA male cable assembly operates to 3 GHz. The right angle SMA interface on the RG316-DS cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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 | | 3 | GHz |
| VSWR | | | 1.5:1 | |
| Velocity of Propagation | | 70 | | % |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 335 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|-----|-------|
| Frequency | 0.25 | 0.5 | 1 | 2.5 | 3 | GHz |
| Insertion Loss (Max.) | 0.8 | 0.96 | 1.29 | 2.27 | 2.6 | dB |

SMA Male Right Angle to SMA Male Cable 150 cm Length Using RG316-DS Coax with HeatShrink



PE3W06660-150CM

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

Mechanical Specifications

Cable Assembly

| | |
|----------------|--------------------|
| Width/Diameter | 0.313 in [7.95 mm] |
| Weight | 0.12 lbs [54.43 g] |

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG316-DS |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 2 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Shield Layer 2 | Silver Plated Copper Braid |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.114 in [2.9 mm] |
| Repeated Minimum Bend Radius | 0.6 in [15.24 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|----------------------|------------------|
| Type | SMA Male Right Angle | SMA Male |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Right Angle | Straight |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 50 µin minimum | 30 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 |

Environmental Specifications

| | |
|-----------------------------|------------------|
| Operating Range Temperature | -40 to +85 deg C |
|-----------------------------|------------------|

SMA Male Right Angle to SMA Male Cable 150 cm
Length Using RG316-DS Coax with HeatShrink



PE3W06660-150CM

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE3W06660

- **xx**

uu

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

Example: PE3W06660-12 = 12 inches long cable
PE3W06660-100cm = 100 cm long cable

SMA Male Right Angle to SMA Male Cable 150 cm Length Using RG316-DS Coax with HeatShrink 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 Right Angle to SMA Male Cable 150 cm Length Using RG316-DS Coax with HeatShrink PE3W06660-150CM](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-sma-male-cable-150-cm-length-using-rg316-ds-with-heatshrink-pe3w06660-150cm-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.

PE3W06660-150CM CAD Drawing
SMA Male Right Angle to SMA Male Cable 150 cm Length Using RG316-DS Coax with HeatShrink

