



SMA Male Right Angle to TNC Female Bulkhead Cable 50 cm Length Using PE-SR405FLJ Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W03175/HS-50CM

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: TNC Female Bulkhead
- Cable Type: PE-SR405FLJ

Features

- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W03175/HS-50CM SMA male right angle to TNC female bulkhead 50 cm cable using PE-SR405FLJ 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 TNC cable assembly has a male to female gender configuration with 50 ohm formable PE-SR405FLJ coax. The right angle SMA interface on the PE-SR405FLJ cable allows for easier connections in tight spaces. Our RF cable assembly with TNC 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		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]

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 TNC Female Bulkhead Cable 50 cm Length Using PE-SR405FLJ Coax with HeatShrink PE3W03175/HS-50CM](#)



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Mechanical Specifications

Cable Assembly

Length* 19.68 in [499.87 mm]

Cable

Cable Type PE-SR405FLJ
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Outer Conductor Material and Plating Tinned Copper Braid
Jacket Material FEP, Black
Jacket Diameter 0.098 in [2.49 mm]

One Time Minimum Bend Radius 0.236 in [5.99 mm]
Repeated Minimum Bend Radius 0.787 in [19.99 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	TNC Female Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold over Nickel	
Contact Plating Specification	0.2 µin minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Gold over Nickel	Brass, Nickel
Body Plating Specification	0.1 µin minimum	
Coupling Nut Material and Plating	Passivated Stainless Steel	
Hex Size	5/16 inch	
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:

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How to Order

Part Number Configuration:

PE3W03175/HS

- xx

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

Example: PE3W03175/HS-12 = 12 inches long cable
PE3W03175/HS-100cm = 100 cm long cable

SMA Male Right Angle to TNC Female Bulkhead Cable 50 cm Length Using PE-SR405FLJ 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 TNC Female Bulkhead Cable 50 cm Length Using PE-SR405FLJ Coax with HeatShrink PE3W03175/HS-50CM](https://www.pasternack.com/sma-male-tnc-female-pe-sr405flj-cable-assembly-pe3w03175-hs-50cm-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.

PE3W03175/HS-50CM CAD Drawing
SMA Male Right Angle to TNC Female Bulkhead Cable 50 cm
Length Using PE-SR405FLJ Coax with HeatShrink

