



RF Cable Assemblies Technical Data Sheet

ET32404

SOLID CENTER

CONDUCTOR

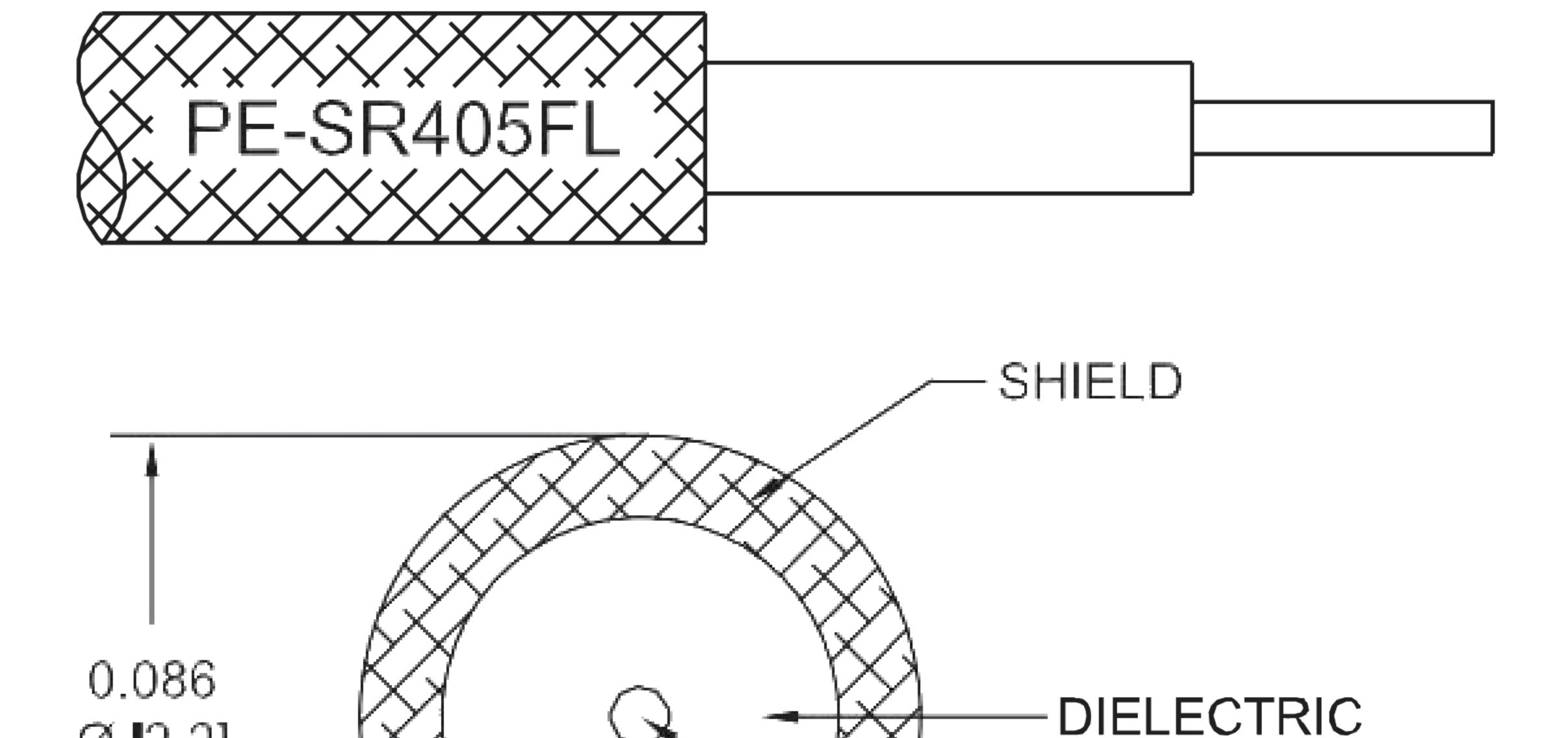
Configuration

Connector 1: SMP Female Right Angle

Connector 2: SMA Female
Cable Type: ET38322

Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET32404 SMP female right angle to SMA female 36 inch cable using ET38322 coax is part of our full line of RF components available for same-day shipping. Ebeestock's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Ebeestock SMP to SMA cable assembly has a female to female gender configuration with 50 ohm formable ET38322 coax. The ET32404 SMP female to SMA female cable assembly operates to 18 GHz. The right angle SMP interface on the ET38322 cable allows for easier con- nections in tight spaces.

Ø [2.2]

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Female Right Angle to SMA Female Cable 36 Inch Length Using ET38322 Coax ET32404

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/
Km]				
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/
Km]				

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.98	1.22	1.83	2.47	3.64	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

Mechanical Specifications

Cable Assembly

Length* 36 in [914.4 mm]

Diameter 0.25 in [6.35 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38322

Solid

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type

Number of Shields

1

Outer Conductor Material and Plating Copper, Tin

Repeated Minimum Bend Radius 0.78 in [19.81 mm]

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Connectors

Description	Connector 1	Connector 2		
Туре	SMP Female Right Angle	SMA Female		
Specification	MIL-STD-348A			
Impedance	50 Ohms	50 Ohms		
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold over Nickel		
Dielectric Type	PTFE	PTFE		
Body Material and Plating	Beryllium Copper, Gold	Brass, Gold over Nickel		

Mechanical Specification Notes:

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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www.ebeestock.com

^{*}All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.





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How to Order

Example: ET3W05740-12 = 12 inches long cable

ET3W05740-100cm = 100 cm long cable

SMP Female Right Angle to SMA Female Cable 36 Inch Length Using ET38322 Coax from Ebeestock 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.

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URL: https://www.ebeestock.com/smp-female-right-angle-to-sma-female-cable-12-inch-length-using-pe-sr405fl-coax-0032402

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

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