

Push-On SMP Female to SMA Male Cable 48 Inch Length Using ET 38322 Coax



RF Cable Assemblies Technical Data Sheet

ET32423

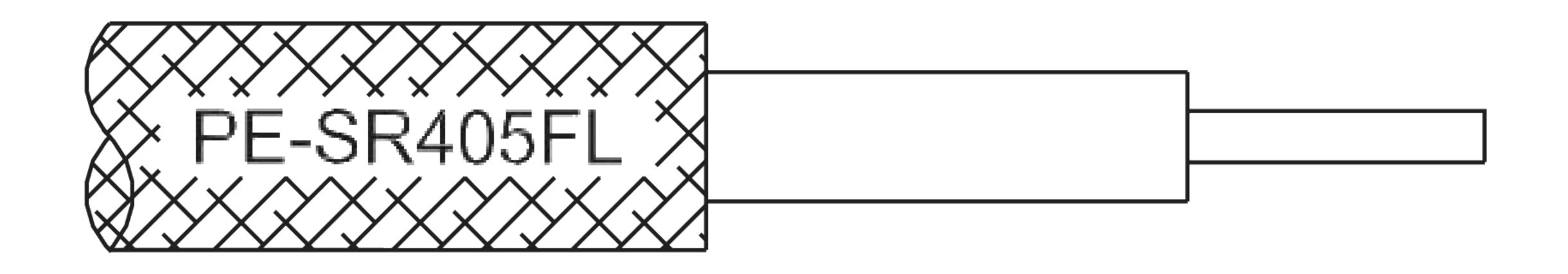
Configuration

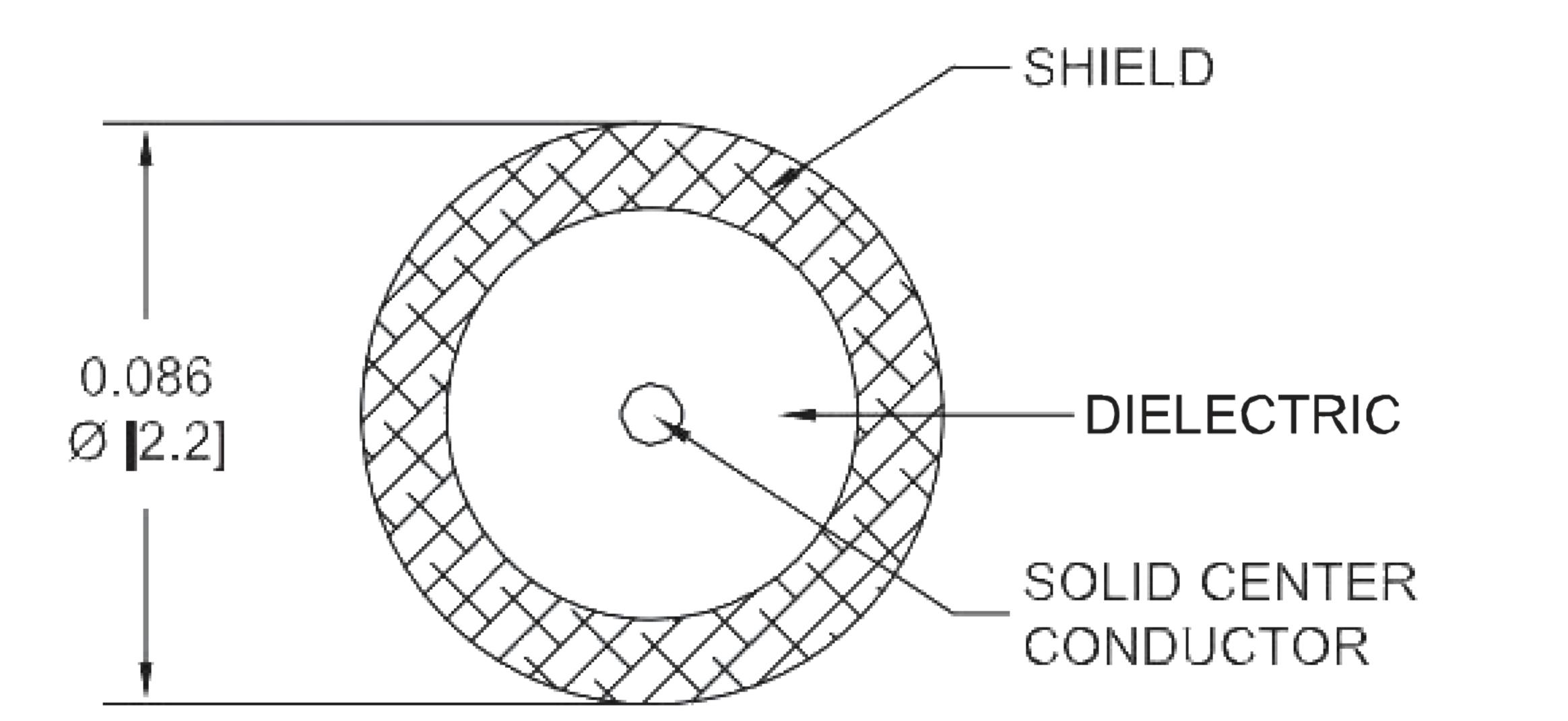
Connector 1: Push-OnSMP Female

Connector 2: SMA Male
Cable Type: ET38322

Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity





Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET32423 SMP female push-on to SMA male 48 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 male gender configuration with 50 ohm formable ET38322 coax. The ET32423 SMP female to SMA male cable assembly operates to 18 GHz.

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		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]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω/1000ft [Ω/Km]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Push-On SMP Female to SMA Male Cable 48 Inch Length Using ET38322 Coax ET32423



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	1.1	1.31	1.82	2.74	4.59	dB

Electrical Specification Notes:

Outer Conductor Material and Plating

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 0.2dB of connector Loss

Copper, Tin

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]

Diameter 0.315 in [8 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38322
50 Ohms
Solid

Inner Conductor Material and Plating

Copper Clad Steel, Silver

Dielectric Type

Number of Shields

Repeated Minimum Bend Radius 0.78 in [19.81 mm]

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Connectors

Description	Connector 1	Connector 2		
Туре	SMP Female	SMA Male		
Specification	MIL-STD-348A	MIL-STD-348A		
Impedance	50 Ohms	50 Ohms		
Connection Method	Push-On			
Mating Cycles		500		
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold		
Contact Plating Specification	MIL-DTL-45204	50 μin minimum		
Dielectric Type	PTFE	PTFE		
Outer Conductor Material and Plating	Beryllium Copper, Gold			
Outer Conductor Plating Specification	MIL-DTL-45204			
Body Material and Plating	Beryllium Copper, Gold	Stainless Steel, Gold		
Body Plating Specification	MIL-DTL-45204	10 μin minimum		
Coupling Nut Material and Plating		Brass, Nickel		
Coupling Nut Plating Specification		100 μin minimum		
Hex Size		5/16 inch		
Torque		3 in-lbs [0.34 Nm]		

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: ET3W07044-12 = 12 inches long cable ET3W07044-100cm = 100 cm long cable

Push-On SMP Female to SMA Male Cable 48 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Push-On SMP Female to SMA Male Cable 48 Inch Length Using ET38322 Coax ET32423

URL: https://www.ebeestock.com/push-on-smp-female-to-sma-male-cable-12-inch-length-using-pe-sr4 05fl-coax-0032420

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.

