

Limited Detent SMP Male Bulkhead to SMA Male Cable 48 Inch Length Using ET38322J Coax



RF Cable Assemblies Technical Data Sheet

ET32378

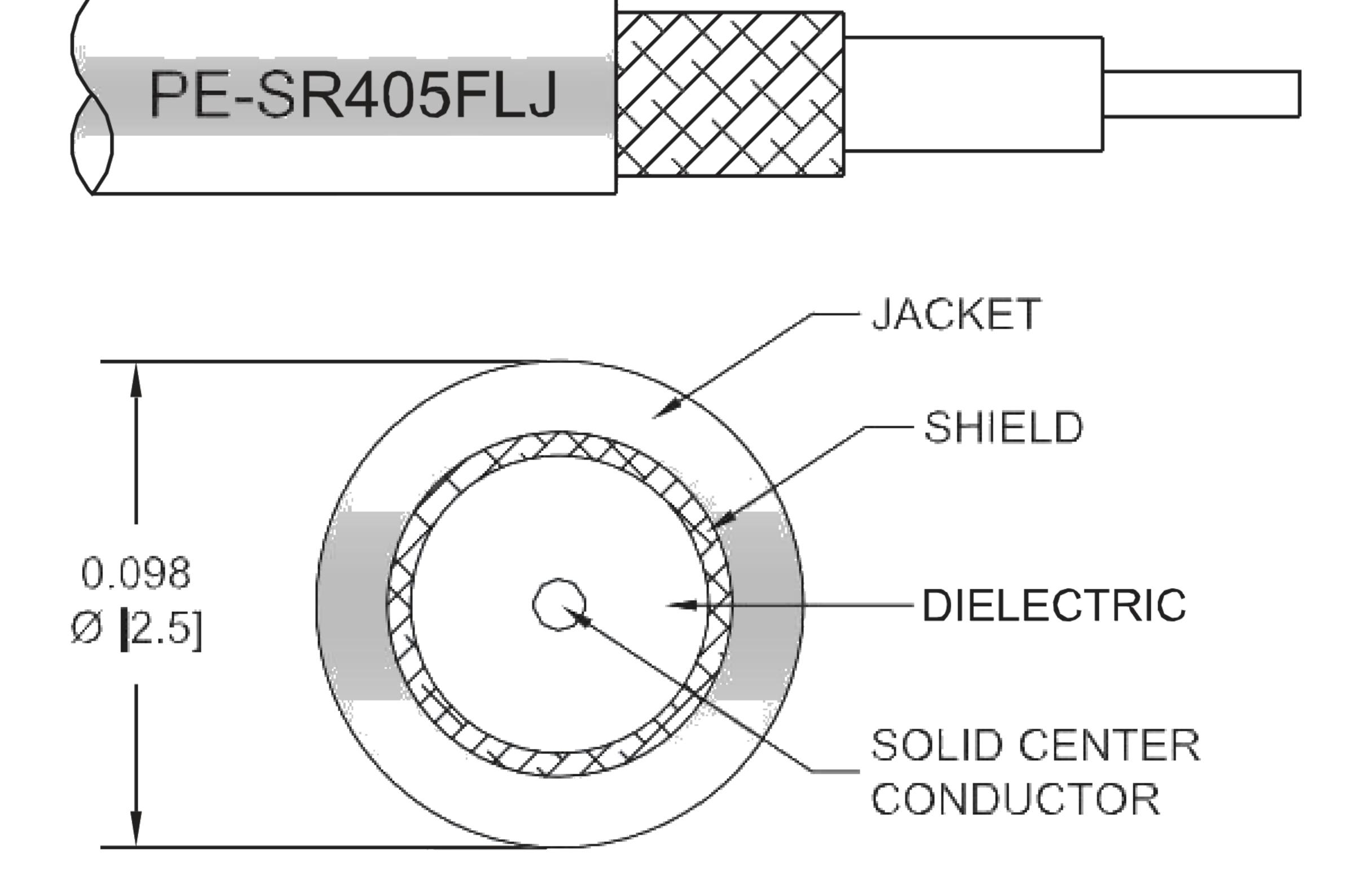
Configuration

Connector 1: Limited DetentSMP Male Bulkhead

Connector 2: SMA Male
Cable Type: ET38323

Features

- Max Frequency 18 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET32378 SMP male limited detent bulkhead to SMA male 48 inch cable using ET38323 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 male to male gender configuration with 50 ohm formable ET38323 coax. The ET32378 SMP male to SMA male cable assembly operates to 18 GHz. Our RF cable assembly with SMP 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Limited Detent SMP Male Bulkhead to SMA Male Cable 48 Inch Length Using ET38323 Coax ET32378



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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		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
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]				
Operating Voltage (AC)			335	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	1.1	1.43	2.24	3.24	4.68	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 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]

Diameter 0.315 in [8 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38323

Solid

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type

Number of Shields

1

Outer Conductor Material and Plating Tinned Copper Composite Braid

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Jacket Material Jacket Diameter

FEP, Black 0.105 in [2.67 mm]

One Time Minimum Bend Radius Repeated Minimum Bend Radius

0.5 in [12.7 mm] 0.787 in [19.99 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	SMP Male Bulkhead	SMA Male	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Connection Method	Limited Detent		
Mating Cycles	500		
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification		50μ in. minimum	
Dielectric Type	PTFE	Teflon	
Body Material and Plating	Brass, Gold	Brass, Gold	
Body Plating Specification		3μ in. minimum	
Coupling Nut Material and Plating		Brass, Gold	
Coupling Nut Plating Specification		3μ in. minimum	
Hex Size		5/16 Inch	
Torque		3 in-lbs [0.34 Nm]	

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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



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How to Order

Part Number Configuration:

ET3W05498
- xx uu

Unit of Measure:

cm = Centimeters

chlank> = Inches

Base Number

Example: ET3W05498-12 = 12 inches long cable

ET3W05498-100cm = 100 cm long cable

Limited Detent SMP Male Bulkhead to SMA Male Cable 48 Inch Length Using ET38323 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/limited-detent-smp-male-bulkhead-to-sma-male-cable-12-inch-lengt h-using-pe-sr405flj-coax-0032375

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.

