



RF Cable Assemblies Technical Data Sheet

ET32524

Configuration

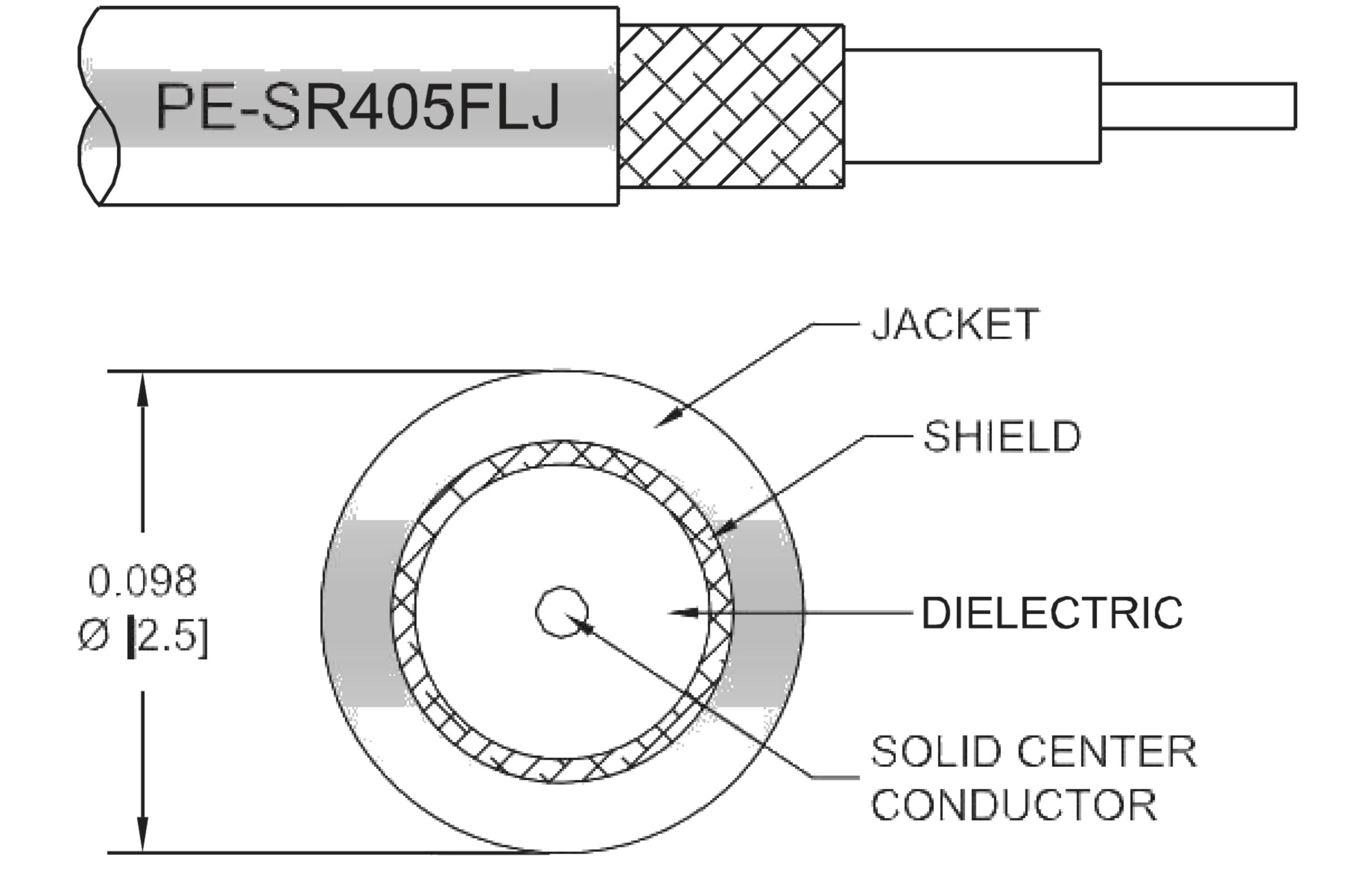
Connector 1: SMA Male

• Connector 2: SMP Female Right Angle

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 ET32524 SMA male to SMP female right angle 50 cm 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 alterna- tive to costly pre-formed semi-rigid assemblies since they are hand formable. This Ebeestock SMA to SMP cable assembly has a male to female gender configuration with 50 ohm formable ET38323 coax. The ET32524 SMA male to SMP female cable assembly operates to 18 GHz. The right angle SMP interface on the ET38323 cable allows for easier connections in tight spaces.

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: SMA Male to SMP Female Right Angle Cable 50 cm Length Using ET38323 Coax ET32524





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.45:1	
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]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.67	0.81	1.14	1.55	2.14	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in the assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector loss.

Mechanical Specifications

Cable Assembly

Length* 19.68 in [499.87 mm] Diameter 0.315 in [8 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38323

50 Ohms
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

Jacket Material FEP, Black

Jacket Diameter 0.105 in [2.67 mm]

One Time Minimum Bend Radius 0.5 in [12.7 mm]
Repeated Minimum Bend Radius 0.787 in [19.99 mm]

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Connectors

Description	Connector 1	Connector 2 SMP Female Right Angle	
Туре	SMA Male		
Specification	MIL-STD-348A	MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Mating Cycles	500		
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold	
Contact Plating Specification	50 μin minimum	MIL-G-45204	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Stainless Steel, Gold	Beryllium Copper, Gold	
Body Plating Specification	10 μin minimum	MIL-G-45204	
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]		

Environmental SpecificationsTemperature

Operating Range

-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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www.ebeestock.com





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How to Order

Part Number Configuration:

ET3W06701 - xx uu

Unit of Measure:

cm = Centimeters

chlank> = Inches

Base Number

Example: ET3W06701-12 = 12 inches long cable

ET3W06701-100cm = 100 cm long cable

SMA Male to SMP Female Right Angle Cable 50 cm 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/sma-male-to-smp-female-right-angle-cable-12-inch-length-using-pe-sr405flj-coax-0032519

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.

