



SMA Male to BNC Male Cable Using PE-SR401FL Coax

TECHNICAL DATA SHEET

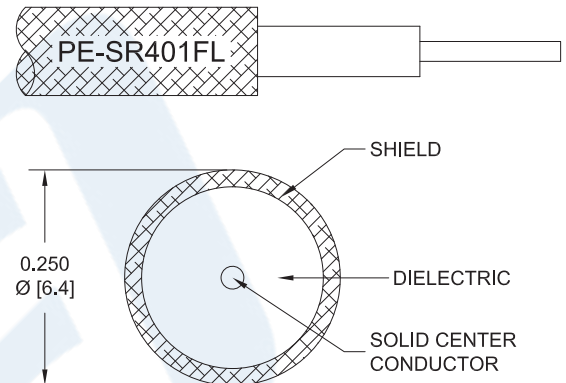
PE3W08652

Configuration

- Connector 1: SMA Male
- Connector 2: BNC Male
- Cable Type: PE-SR401FL
- Coax Flex Type: Formable

Features

- Max Frequency 12 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08652 SMA male to BNC male cable using PE-SR401FL 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 BNC cable assembly has a male to male gender configuration with 50 ohm formable PE-SR401FL coax. The PE3W08652 SMA male to BNC male cable assembly operates to 12 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.

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 BNC Male Cable Using PE-SR401FL Coax PE3W08652](#)



SMA Male to BNC Male Cable Using PE-SR401FL Coax

TECHNICAL DATA SHEET

PE3W08652

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Capacitance		29.6 [97.11]		pF/ft [pF/m]
DC Resistance Inner Conductor		2.5 [8.2]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		8 [26.25]		Ω /1000ft [Ω /Km]

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2500	5000	#####	MHz	
PE3W08652	Custom Lengths Available	Insertion Loss (Typ.)	0.05	0.08	0.11	0.19	0.32	dB/ft	
			0.18	0.25	0.37	0.63	1.05	dB/m	
PE3W08652-6	6 inch	Insertion Loss (Typ.)	0.23	0.24	0.26	0.3	0.36	dB	0.073
PE3W08652-12	12 inch	Insertion Loss (Typ.)	0.26	0.28	0.31	0.39	0.52	dB	0.112
PE3W08652-18	18 inch	Insertion Loss (Typ.)	0.28	0.32	0.37	0.49	0.68	dB	0.152
PE3W08652-24	24 inch	Insertion Loss (Typ.)	0.31	0.36	0.42	0.58	0.84	dB	0.192
PE3W08652-48	48 inch	Insertion Loss (Typ.)	0.41	0.51	0.64	0.96	1.48	dB	0.35

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.112 pounds
Additional Weight per Inch:	0.00659 pounds

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight	0.112 lbs [50.8 g]
--------	--------------------

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 BNC Male Cable Using PE-SR401FL Coax PE3W08652](#)



SMA Male to BNC Male Cable Using PE-SR401FL Coax

TECHNICAL DATA SHEET

PE3W08652

Cable

Cable Type	PE-SR401FL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Tinned Copper Braid
One Time Minimum Bend Radius	0.75 in [19.05 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Threaded	BNC Male Bayonet
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	Gold
Contact Plating Specification	MIL-G-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	MIL-G-45204	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	QQ-N-290
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
-----------------	-------------------

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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 BNC Male Cable Using PE-SR401FL Coax PE3W08652](#)



SMA Male to BNC Male Cable Using PE-SR401FL Coax

TECHNICAL DATA SHEET

PE3W08652

How to Order

Part Number Configuration:

PE3W08652

- **xx**

uu

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

Example: PE3W08652-12 = 12 inches long cable
PE3W08652-100cm = 100 cm long cable

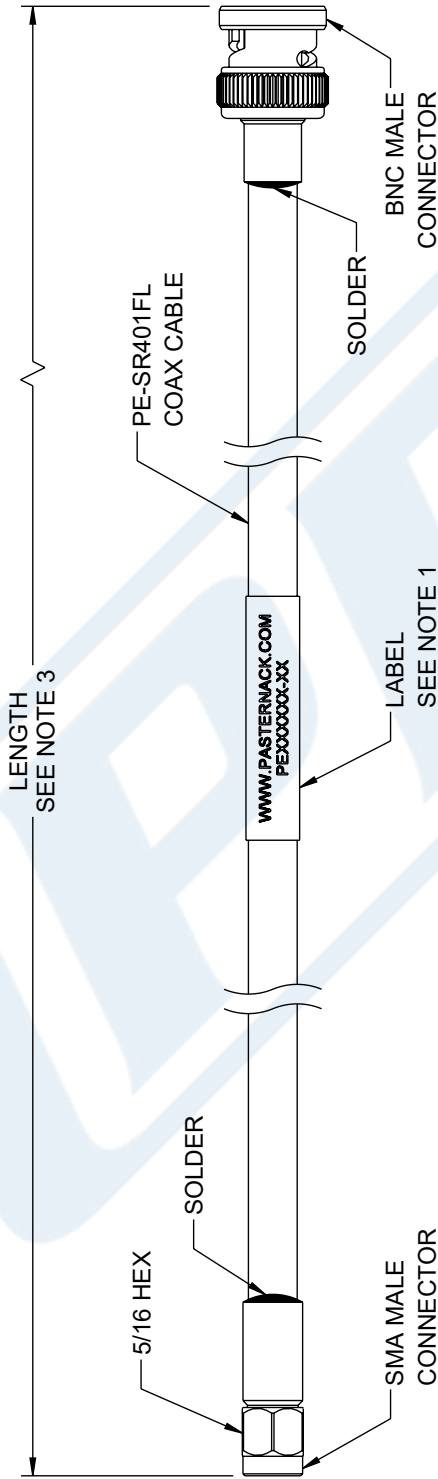
SMA Male to BNC Male Cable Using PE-SR401FL Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to BNC Male Cable Using PE-SR401FL Coax PE3W08652](https://www.pasternack.com/sma-male-bnc-male-pe-sr401fl-cable-assembly-pe3w08652-p.aspx)

URL: <https://www.pasternack.com/sma-male-bnc-male-pe-sr401fl-cable-assembly-pe3w08652-p.aspx>

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.

REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	10/16/2023
			HBAKKE
			AGANWANI



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

 PASTERNAK an INFINIT@ brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE	SHEET
DESCRIPTION SMA MALE TO BNC MALE CABLE USING PE-SR401FL COAX		NONE	1 OF 1
SIZE A	CAGE CODE 53919	DRAWN BY HBAKKE	ITEM NO. PE3W08652
		REV A	