



Push-On SMP Female Right Angle to Push-On SMP Female Right Angle Low Loss Cable Using PE-C100-LSZH Coax

TECHNICAL DATA SHEET

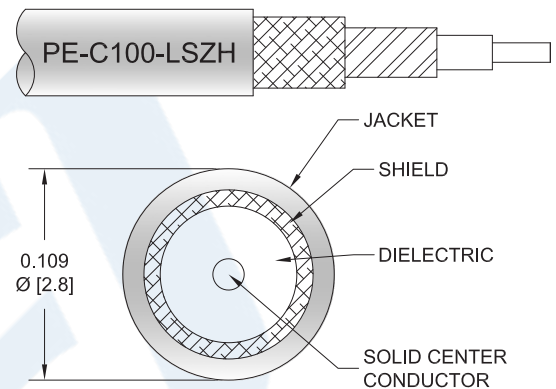
PE3W07328

Configuration

- Connector 1: Push-On SMP Female Right Angle
- Connector 2: Push-On SMP Female Right Angle
- Cable Type: PE-C100-LSZH
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- LSZH Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07328 SMP female push-on right angle to SMP female push-on right angle cable using PE-C100-LSZH coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMP to SMP cable assembly has a female to female gender configuration with 50 ohm flexible PE-C100-LSZH coax. The PE3W07328 SMP female to SMP female cable assembly operates to 3 GHz. The right angle SMP interfaces on the PE-C100-LSZH cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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: [Push-On SMP Female Right Angle to Push-On SMP Female Right Angle Low Loss Cable Using PE-C100-LSZH Coax PE3W07328](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
RF Shielding	90			dB
Group Delay		1.62 [5.31]		ns/ft [ns/m]
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Inductance		0.077 [0.25]		uH/ft [uH/m]
DC Resistance Inner Conductor		81 [265.75]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		9.5 [31.17]		Ω /1000ft [Ω /Km]
Jacket Spark			2,000	Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE3W07328	Custom Lengths Available	Insertion Loss (Typ.)	0.07	0.12	0.17	0.24	0.44	dB/ft	
			0.23	0.38	0.55	0.79	1.46	dB/m	
PE3W07328-12	12 inch	Insertion Loss (Typ.)	0.47	0.52	0.57	0.64	0.85	dB	0.025
PE3W07328-24	24 inch	Insertion Loss (Typ.)	0.54	0.63	0.74	0.88	1.29	dB	0.036
PE3W07328-36	36 inch	Insertion Loss (Typ.)	0.61	0.75	0.9	1.12	1.74	dB	0.046
PE3W07328-48	48 inch	Insertion Loss (Typ.)	0.68	0.86	1.07	1.36	2.18	dB	0.056
PE3W07328-60	60 inch	Insertion Loss (Typ.)	0.75	0.98	1.23	1.6	2.62	dB	0.066

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: 0.2 dB
 Loss due to Connector 2: 0.2 dB
 Base Weight: 0.025 pounds
 Additional Weight per Inch: 0.00084 pounds

Mechanical Specifications

Cable Assembly

Weight 0.025 lbs [11.34 g]

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Cable

Cable Type	PE-C100-LSZH
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	LSZH, Black
Jacket Diameter	0.109 in [2.77 mm]
One Time Minimum Bend Radius	0.25 in [6.35 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]
Tensile Strength	15 lbs [6.8 Kg]

Connectors

Description	Connector 1	Connector 2
Type	SMP Female Right Angle Threaded	SMP Female Right Angle Threaded
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Push-On	Push-On
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	30µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Outer Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Conductor Plating Specification	3µ in. minimum	3µ in. minimum
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	3µ in. minimum	3µ in. minimum

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

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TECHNICAL DATA SHEET

PE3W07328

How to Order

Part Number Configuration:

PE3W07328

- **xx**

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

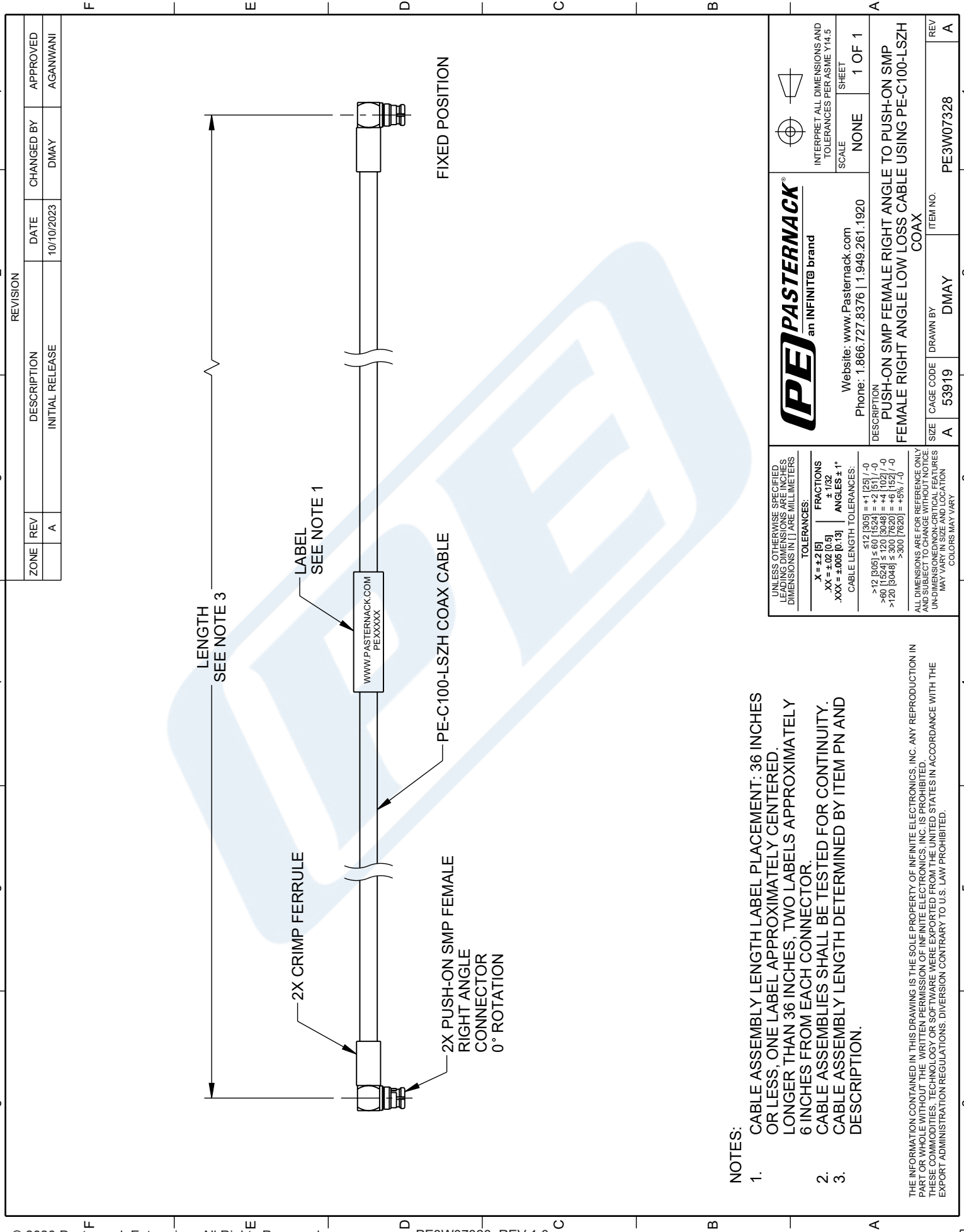
Example: PE3W07328-12 = 12 inches long cable
PE3W07328-100cm = 100 cm long cable

Push-On SMP Female Right Angle to Push-On SMP Female Right Angle Low Loss Cable Using PE-C100-LSZH 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: [Push-On SMP Female Right Angle to Push-On SMP Female Right Angle Low Loss Cable Using PE-C100-LSZH Coax PE3W07328](https://www.pasternack.com/push-on-smp-female-right-angle-to-push-on-smp-female-right-angle-low-loss-cable-using-pe-c100-lszh-pe3w07328-p.aspx)

URL: <https://www.pasternack.com/push-on-smp-female-right-angle-to-push-on-smp-female-low-loss-cable-using-pe-c100-lszh-pe3w07328-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.



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.

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	± 1/64
.XXX = ±.005 [0.13]	± 1/128
CABLE LENGTH TOLERANCES:	ANGLES ± 1°
<12 [305] = ±.1 [25] / -0	<12 [305] = ±.1 [25] / -0
>12 [305] ≤ 60 [1524] = ±.2 [51] / -0	>12 [305] ≤ 60 [1524] = ±.2 [51] / -0
>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0	>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0	>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0
>300 [7620] = ±.5% / -0	>300 [7620] = ±.5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY. ALL DIMENSIONS SHALL BE TO UNDIMENSIONED NON-CRITICAL FEATURES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	

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Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
DESCRIPTION	SCALE
PUSH-ON SMP FEMALE RIGHT ANGLE TO PUSH-ON SMP FEMALE RIGHT ANGLE LOW LOSS CABLE USING PE-C100-LSZH COAX	NONE
ITEM NO.	SHEET
53919	1 OF 1
CAGE CODE	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
A	DMAY
REV	PE3W07328
A	