

## MMCX Plug Right Angle to SMA Female 4 Hole Flange Low Loss Cable Using LMR-100 Coax with HeatShrink



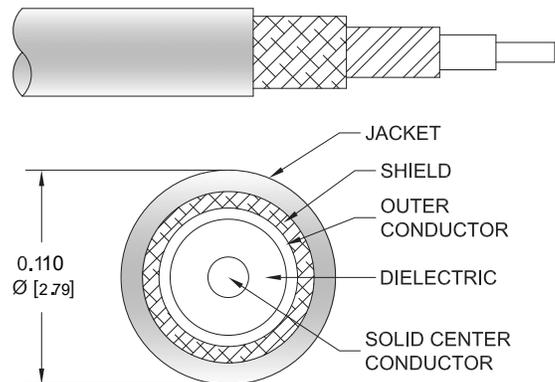
### PE3C0064/HS

#### Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SMA Female 4 Hole Flange
- Cable Type: LMR-100A
- Coax Flex Type: Flexible

#### Features

- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C0064/HS MMCX plug right angle to SMA female 4 hole flange cable using LMR-100 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 MMCX to SMA cable assembly has a plug to female gender configuration with 50 ohm flexible LMR-100A coax. The right angle MMCX interface on the LMR-100A cable allows for easier connections in tight spaces. Our RF cable assembly with SMA 4 hole flange 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. 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		66		%
RF Shielding	90			dB
Group Delay		1.54 [5.05]		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]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		9.5 [31.17]		Ohms/1000ft [Ohms/Km]

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**PE3C0064/HS**

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Jacket Spark			2,000	Vrms

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter	0.5 in [12.7 mm]
Weight	0.024 lbs [10.89 g]

**Cable**

Cable Type	LMR-100A
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	PVC, Black
Jacket Diameter	0.11 in [2.79 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	MMCX Plug Right Angle	SMA Female 4 Hole Flange
Specification	BS EN 122340	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Gold	Gold
Contact Plating Specification	30 µin minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3 µin minimum	QQ-N-290

**Environmental Specifications**

Operating Range Temperature	-40 to +85 deg C
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**PE3C0064/HS**

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

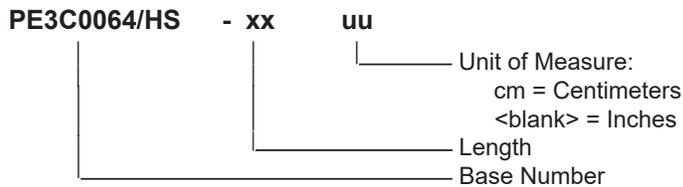
**Plotted and Other Data**

Notes:

**Typical Performance Data**

**How to Order**

Part Number Configuration:



Example: PE3C0064/HS-12 = 12 inches long cable  
PE3C0064/HS-100cm = 100 cm long cable

MMCX Plug Right Angle to SMA Female 4 Hole Flange Low Loss Cable Using LMR-100 Coax with HeatShrink 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.

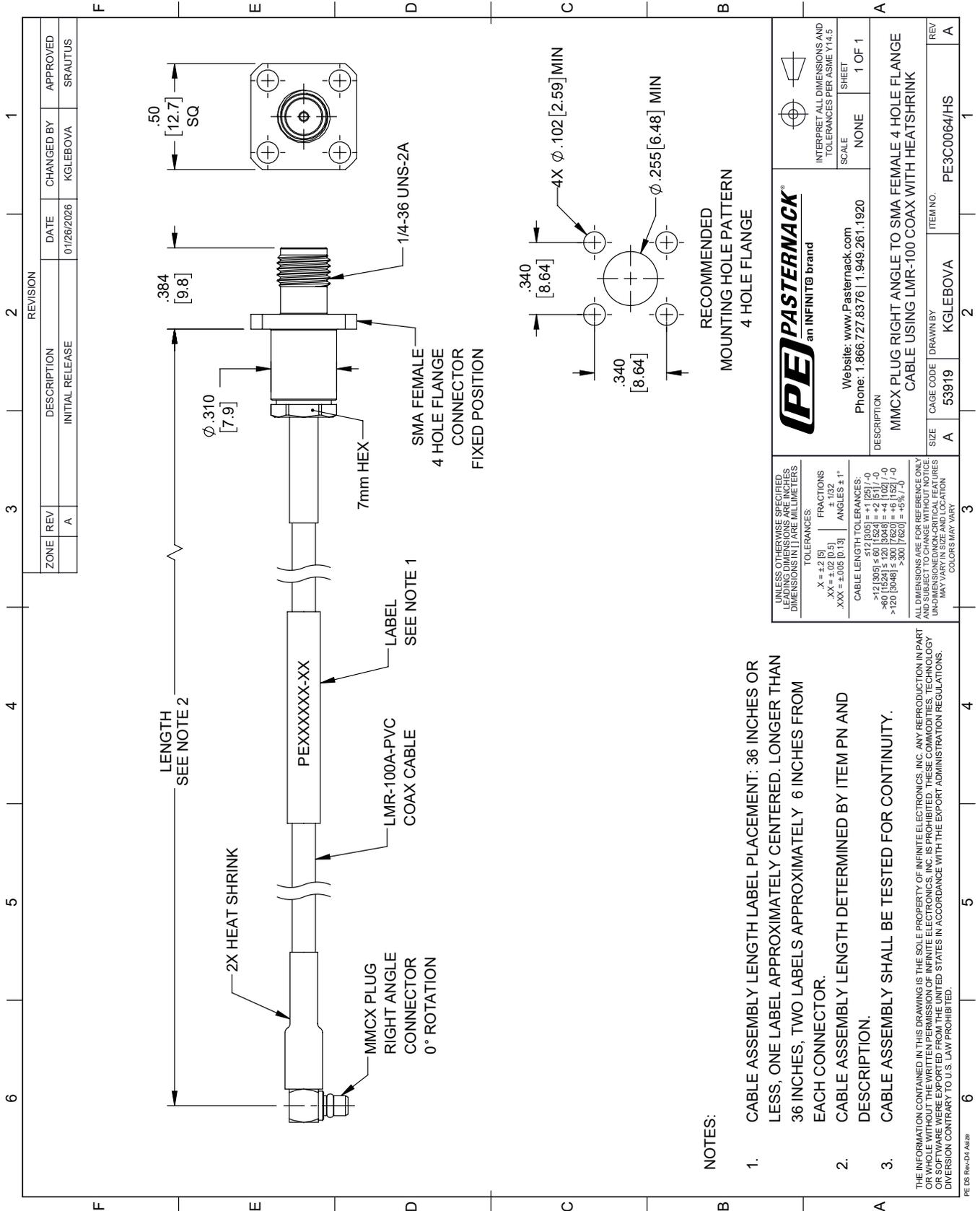
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to SMA Female 4 Hole Flange Low Loss Cable Using LMR®-100 Coax with HeatShrink PE3C0064/HS](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-sma-female-4-hole-flange-low-loss-cable-using-lmr-100-with-heatshrink-pe3c0064-hs-p.aspx>

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# PE3C0064/HS CAD Drawing

MMCX Plug Right Angle to SMA Female 4 Hole Flange Low Loss Cable Using LMR-100 Coax with HeatShrink



**NOTES:**

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

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.51]  
 .XXX = ±.005 [0.13]

FRACTIONS:  
 ± 1/32

ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 < 12 [305] ≤ 60 [1524] = ±.1 [25] / -0  
 > 60 [1524] ≤ 120 [3048] = ±.4 [102] / -0  
 > 120 [3048] ≤ 300 [7620] = ±.5 [12.7] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION	MMCX PLUG RIGHT ANGLE TO SMA FEMALE 4 HOLE FLANGE CABLE USING LMR-100 COAX WITH HEATSHRINK		
SIZE	A	CAGE CODE	53919
DRAWN BY	KGLEBOVA		
ITEM NO.	PE3C0064/HS		
REV	A	REV	A