

SMA Male to N Male Low Loss Cable Using LMR-240 Coax With Times Microwaves Components with HeatShrink



RF Cable Assemblies Technical Data Sheet

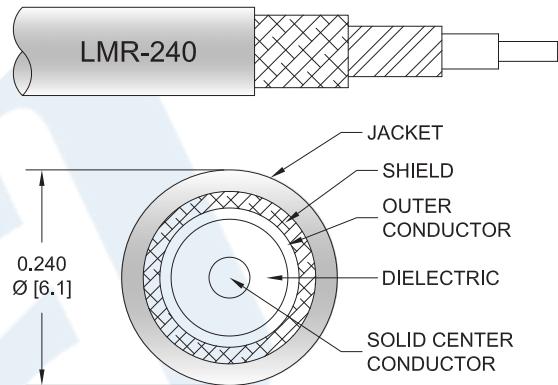
PE3C2038/HS

Configuration

- Connector 1: SMA Male
- Connector 2: N Male
- Cable Type: LMR-240

Features

- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2038/HS SMA male to type N male cable using LMR-240 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 SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240 coax. 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		84		%
RF Shielding	90			dB
Group Delay		1.21 [3.97]		ns/ft [ns/m]
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		3.2 [10.5]		$\Omega/1000\text{ft}$ [Ω/Km]
DC Resistance Outer Conductor		3.89 [12.76]		$\Omega/1000\text{ft}$ [Ω/Km]
Jacket Spark			5,000	Vrms

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 N Male Low Loss Cable Using LMR-240 Coax With Times Microwaves Components with HeatShrink PE3C2038/HS](#)



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Mechanical Specifications

Cable Assembly

Weight	0.131 lbs [59.42 g]
Cable	
Cable Type	LMR-240
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.24 in [6.1 mm]
One Time Minimum Bend Radius	0.75 in [19.05 mm]
Repeated Minimum Bend Radius	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Flat Plate Crush	20 lbs/in [0.36 Kg/mm]
Tensile Strength	80 lbs [36.29 Kg]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	N Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM B488	ASTM-B488
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating	Brass, Tri-Metal	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification		QQ-N-290
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification		QQ-N-290
Hex Size	5/16 Inch	13/16 inch

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SMA Male to N Male Low Loss Cable Using LMR-240 Coax
With Times Microwaves Components with HeatShrink



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PE3C2038/HS

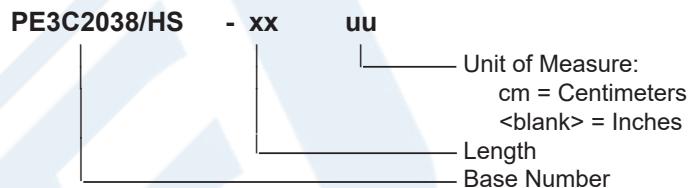
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: PE3C2038/HS-12 = 12 inches long cable
PE3C2038/HS-100cm = 100 cm long cable

SMA Male to N Male Low Loss Cable Using LMR-240 Coax With Times Microwaves Components 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.

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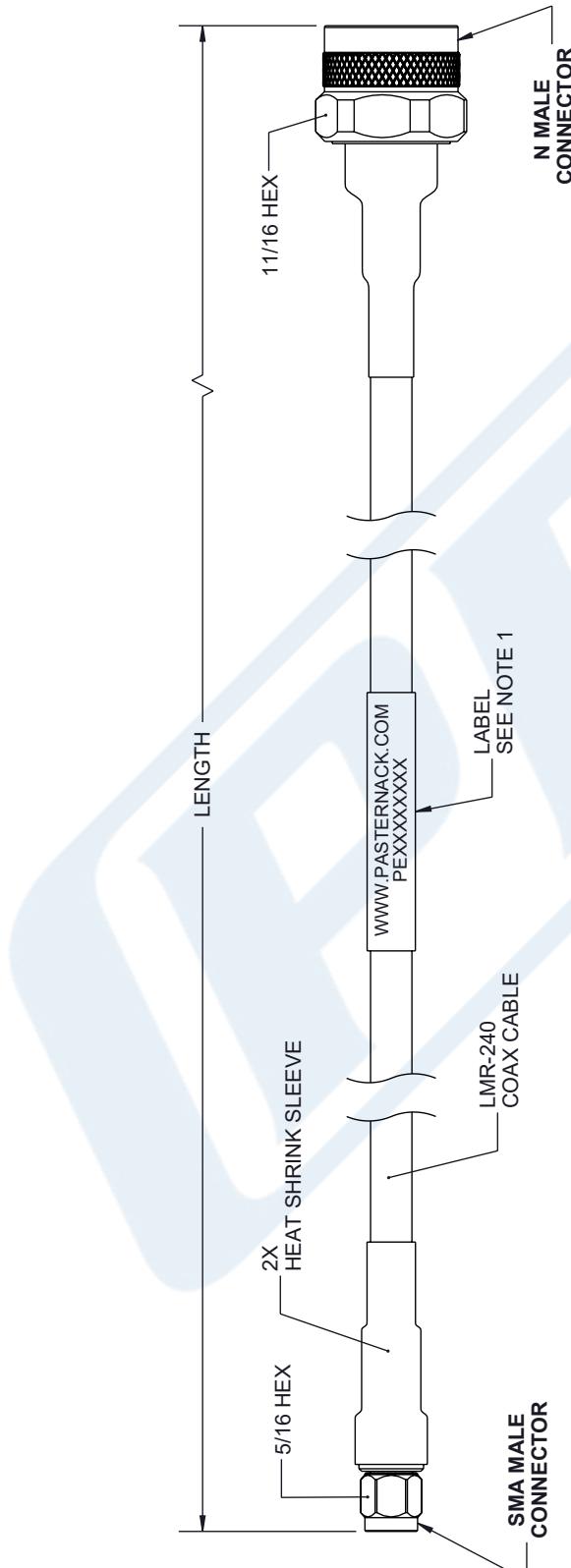
URL: <https://www.pasternack.com/sma-male-to-n-male-low-loss-cable-using-lmr-240-with-heatshrink-pe3c2038-hs-p.aspx>

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PE3C2038/HS CAD Drawing

SMA Male to N Male Low Loss Cable Using LMR-240 Coax With Times Microwaves Components with HeatShrink

ת. 1	ת. 2	ת. 3
ת. 4	ת. 5	ת. 6



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY
- 2.

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

TOLERANCES:

DESCRIPTION		TOLERANCES PER ASME Y14.5	
SCALE	NOTE	SHEET	OF 1
1	1	1	1

HeatShrink With Times Microwave Components

THE CLOTHES DRAMATICALLY CHANGED.

REV A
ITEM NO. PE3C2038/HS
DRAWN BY KDANG
CAGE CODE 53919
SIZE A

1
2

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PE3C2038/HS REV 1.0