PASTERNACK®
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N Male to N Male Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FL Coax, RoHS

TECHNICAL DATA SHEET PE39451-12

Hand Formable N Male to N Male Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FL Coax, RoHS

Pasternack's formable cable assemblies are hand formable semi-rigid replacements that are an alternative to costly preformed assemblies. The formable semi-rigid cable alternatives are dimensionally and electrically similar to their semi-rigid counterpart and have a tinned-copper-braid outer shield that provides excellent RF shielding. The hand formable cable assemblies from Pasternack do not require special tooling to shape or reshape the assemblies and can replace standard semi-rigid versions. The assemblies are available with or without a PVC jacket and are RoHS compliant,

- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- Cable may be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- High RF Shielding >100 dB
- 100% Hi-pot and continuity tested
- 100% VSWR tested to max frequency of assembly
- Standard and custom lengths ship the same day

Configuration

Connector 1	N Male
Connector 2	N Male
Cable Type	PE-SR402FL

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum VSWR	1.35:1
Velocity of Propagation, %	69
RF Shielding, dB	100
Maximum Operating Voltage, Vrms	350

Typical Electrical Specifications

Frequency 1

Frequency, MHz	1000
Insertion Loss	0.119 dB/ft [0.39 dB/m]

Frequency 2

Frequency, GHz	5
Insertion Loss	0.28 dB/ft [0.92 dB/m]

Frequency 3

Frequency, GHz	10
Insertion Loss	0.421 dB/ft [1.38 dB/m]

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to N Male Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FL Coax, RoHS PE39451-12

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 Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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ISO 9001 : 2008 Registered

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Mechanical Specifications

Cable Assembly

Cable Type	PE-SR402FL

Temperature

Temperature Operating Range, deg C	-55 to +125

Size

Length, in [mm]	12 [304.8]
Diameter, in [mm]	0.139 [3.53]
Weight, lbs [g]	0.027 [12.25]
One Time Minimum Bend Radius, in [mm]	0.75 [19.05]
Repeated Minimum Bend Radius, in [mm]	1.57 [39.88]

Cable

Center Conductor Type	Solid
Cable Inner Conductor	Copper, Silver
No of Shields	1
Dielectric Type	PTFE

Connector 1

Type	N Male
Configuration	Straight

Connector 2

Type	N Male
Configuration	Straight

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

N Male to N Male Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% 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: N Male to N Male Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FL Coax, RoHS PE39451-12

URL: http://www.pasternack.com/n-male-n-male-pe-sr402fl-cable-assembly-pe39451-12-p.aspx

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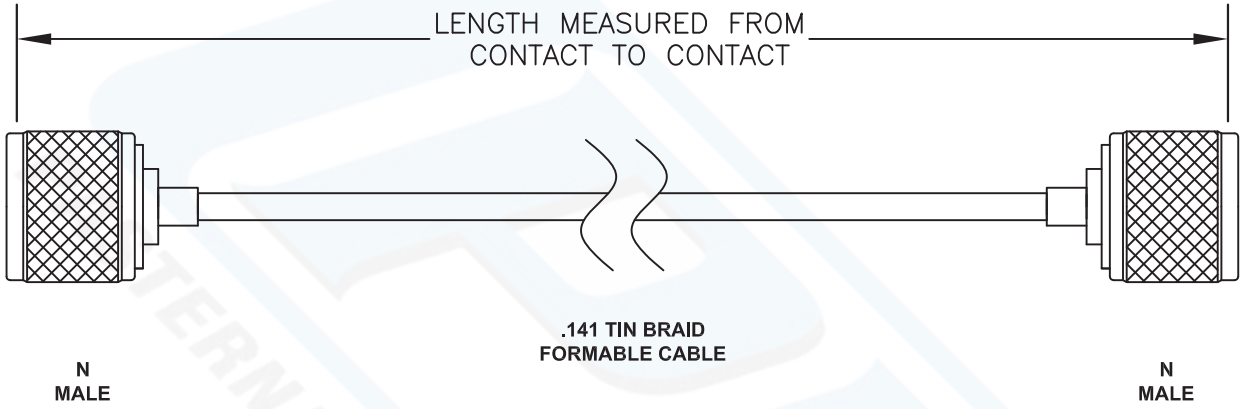
PE39451-12 CAD Drawing

N Male to N Male Semi-Flexible Precision Cable 12 Inch Length Using PE-SR402FL Coax, RoHS



Note: This part is lead free.

How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration PE3 [zzz] [yy] - [xx] [uu] 00 - 99999 — Length LF = Lead Free < Blank > = Standard Note: LF applies only to RF cables CM = Centimeters < Blank > = Inches	Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM	-12	12"	-25CM	25Cm
		-24	24"	-50CM	50Cm
		-36	36"	-75CM	75Cm
		-48	48"	-100CM	100Cm
		-60	60"	-125CM	125Cm
		-xx	Custom Length	-xxCM	Custom Length

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COAXIAL & FIBER OPTICS

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DWG TITLE

PE39451

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

REV. -	FSCM NO. 53919	CAD FILE 041912	SCALE N/A	SIZE A	2231