



7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch Length Using 1/2 inch Flexible Coax, RoHS

TECHNICAL DATA SHEET

PE39802-192

Pasternack's corrugated cable assemblies are ideal for applications where durability and high power are needed. These high quality 50 ohm cable assemblies are constructed with a solid copper clad aluminum inner conductor, a foam dielectric, corrugated copper tube, and a tough polyethylene jacket. The solid inner and outer conductors are design to help minimize Intermodulation Distortion (IMD) in communications applications. Durability is ensured thanks to the Injected molded boot on the connectors for added strain relief. Our carefully selected assemblies provide the highest quality on the market with PIM ratings of -160 dBc and 1.11 VSWR's. Available in 1/2" Flexible and 1/2" Superflexible cable types in 7/16 DIN and N Type connector configurations.

Features

- 1/2" Flexible and 1/2" Superflexible cable
- 100% RF and PIM tested
- Low Insertion loss
- Low VSWR at 2.7 GHz
- -160 dBc PIM rating
- Velocity of Propagation at 88%

Configuration

Connector 1
 Connector 2
 Cable Type

7/16 DIN Male
 7/16 DIN Male
 1/2" Flexible

Electrical Specifications

Frequency Range	DC to 2.7 GHz
Impedance	50 Ohms
Maximum VSWR	1.11:1
Velocity of Propagation	88 %
RF Shielding	120 dB
Peak Power	40 KWatts
Passive Intermodulation	-160 dBc

Performance by Frequency

Frequency 1

Frequency	900 MHz
VSWR	1.07:1
Insertion Loss	0.02 dB

Frequency 2

Frequency	1.8 GHz
VSWR	1.09:1
Insertion Loss	0.03 dB

Frequency 3

Frequency	2.2 GHz
VSWR	1.09:1
Insertion Loss	0.034 dB

Frequency 4

Frequency	2.7 GHz
-----------	---------

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch Length Using 1/2 inch Flexible Coax, RoHS PE39802-192](#)



7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch Length Using 1/2 inch Flexible Coax, RoHS

TECHNICAL DATA SHEET

PE39802-192

 VSWR
 Insertion Loss

 1.11:1
 0.04 dB

Mechanical Specifications

Temperature

Temperature Operating Range

-40 to +80 deg C

Size

Length

192 in [487.68 cm]

Diameter

0.629 in [15.98 mm]

Weight

0.155 lbs [70.31 g]

Cable Color

Black

One Time Minimum Bend Radius

2.75 in [69.85 mm]

Repeated Minimum Bend Radius

4.72 in [119.89 mm]

Cable

Cable Type

1/2" Flexible

Inner Conductor Type

Solid

Cable Inner Conductor

Copper Clad Aluminum

No of Shields

1

Dielectric Type

PE (F)

Jacket Material

PE

Jacket Diameter

0.629 in [15.98 mm]

Connector 1

Type

7/16 DIN Male

Configuration

Straight

Inner Conductor Material and Plating

Brass, Silver

Outer Conductor Material and Plating

Brass, Silver

Coupling Nut Material and Plating

Brass, Tri-Metal

Hex Size

32 mm

Torque

18.417 ft-lbs [24.97 Nm]

Body Material and Plating

Brass, Silver

Dielectric Type

PTFE

Connector 2

Type

7/16 DIN Male

Configuration

Straight

Inner Conductor Material and Plating

Brass, Silver

Outer Conductor Material and Plating

Brass, Silver

Coupling Nut Material and Plating

Brass, Tri-Metal

Hex Size

32 mm

Torque

18.417 ft-lbs [24.97 Nm]

Body Material and Plating

Brass, Silver

Dielectric Type

PTFE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch Length Using 1/2 inch Flexible Coax, RoHS PE39802-192](#)



7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch Length Using 1/2 inch Flexible Coax, RoHS

TECHNICAL DATA SHEET

PE39802-192

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

RoHS Compliant

Yes

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

How to Order

Part Number Configuration:

PE39802-192

- **xx**

uu

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

Example: PE39802-192-12 = 12 inches long cable

PE39802-192-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch Length Using 1/2 inch Flexible Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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: [7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch Length Using 1/2 inch Flexible Coax, RoHS PE39802-192](http://www.pasternack.com/7-16-male-7-16-male-1-2-flexible-cable-pe39802-192-p.aspx)

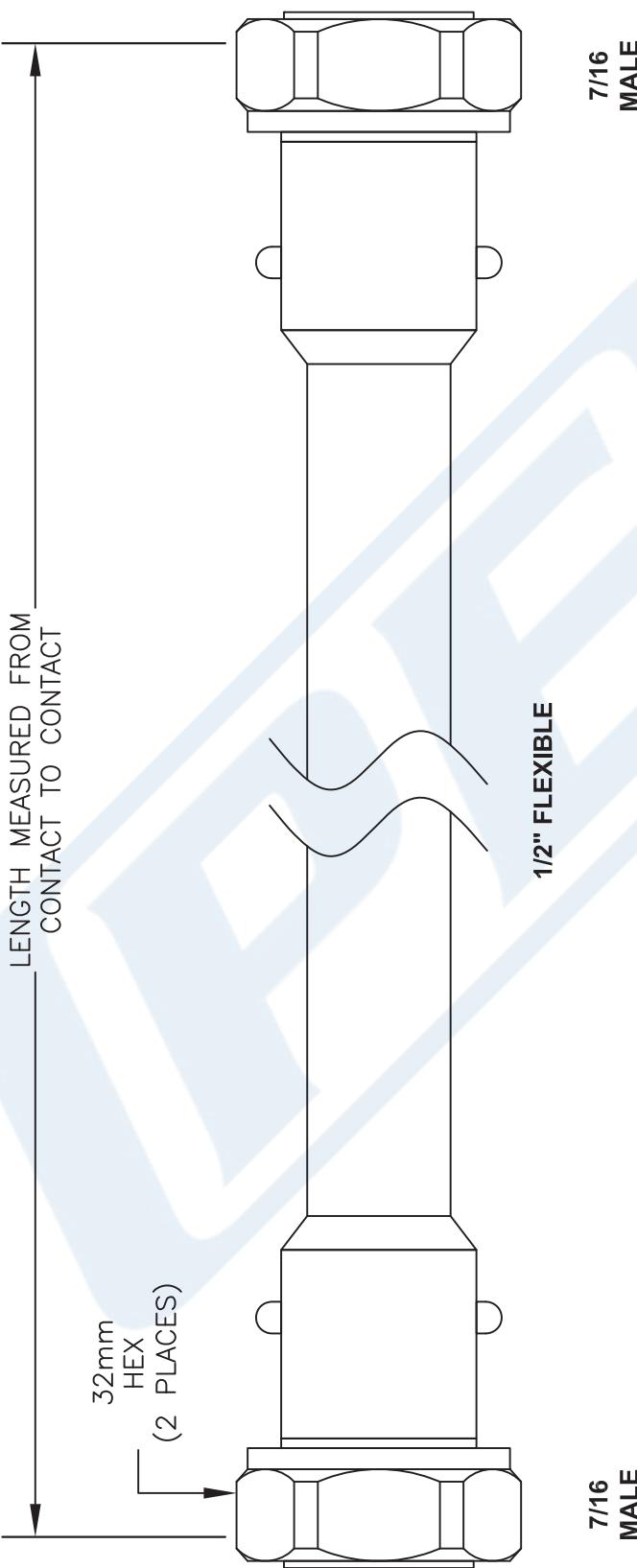
URL: <http://www.pasternack.com/7-16-male-7-16-male-1-2-flexible-cable-pe39802-192-p.aspx>

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.

PE39802-192 CAD Drawing

7/16 DIN Male to 7/16 DIN Male Low PIM Cable 192 Inch

Length Using 1/2 inch Flexible Coax, RoHS



PASTERNACK®
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE	PE39802
FSCM NO. 53919	CAD FILE 120314 SCALE N/A SIZE A 2233

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 $\pm 1.5\%$ OR 3/8", WHICHEVER IS GREATER.