



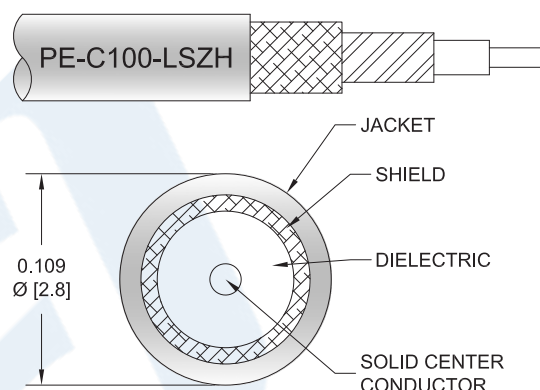
SMA Female to Violet FAKRA Plug Cable 48 Inch Length Using PE-C100-LSZH Coax

RF Cable Assemblies Technical Data Sheet

PE39344H-48

Configuration

- Connector 1: SMA Female
- Connector 2: FAKRA Plug
- Cable Type: PE-C100-LSZH



Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range | DC | | 4 | GHz |
| Velocity of Propagation | | 66 | | % |
| RF Shielding | 90 | | | dB |
| Capacitance | | 30.8 [101.05] | | pF/ft [pF/m] |
| Inductance | | 0.077 [0.25] | | uH/ft [uH/m] |
| Jacket Spark | | | 2,000 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|-------|-------|-------|-------|-------|
| Frequency | 0.1 | 0.25 | 0.5 | 1 | 4 | GHz |
| Insertion Loss (Typ.) | 0.48 | 0.662 | 0.865 | 1.146 | 2.157 | dB |

Mechanical Specifications

Cable Assembly

| | |
|----------|---------------------|
| Length* | 48 in [121.92 cm] |
| Diameter | 0.37 in [9.4 mm] |
| Weight | 0.117 lbs [53.07 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to Violet FAKRA Plug Cable 48 Inch Length Using PE-C100-LSZH Coax PE39344H-48](#)



SMA Female to Violet FAKRA Plug Cable 48 Inch
Length Using PE-C100-LSZH Coax

RF Cable Assemblies Technical Data Sheet

PE39344H-48

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 | SMA Female | FAKRA Plug |
| Specification | MIL-STD-348 | |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Mating Cycles | 100 | |
| Contact Material and Plating | Beryllium Copper, Gold | Phosphor Bronze, Gold |
| Dielectric Type | Teflon | Teflon |
| Outer Conductor Material and Plating | | Brass, Nickel |
| Body Material and Plating | Brass, Nickel | Plastic |

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to Violet FAKRA Plug Cable 48 Inch Length Using PE-C100-LSZH Coax PE39344H-48](#)



SMA Female to Violet FAKRA Plug Cable 48 Inch Length Using PE-C100-LSZH Coax

RF Cable Assemblies Technical Data Sheet

PE39344H-48

How to Order

Part Number Configuration:

PE39344H

- xx

uu

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

Example: PE39344H-12 = 12 inches long cable
PE39344H-100cm = 100 cm long cable

SMA Female to Violet FAKRA Plug Cable 48 Inch Length 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.

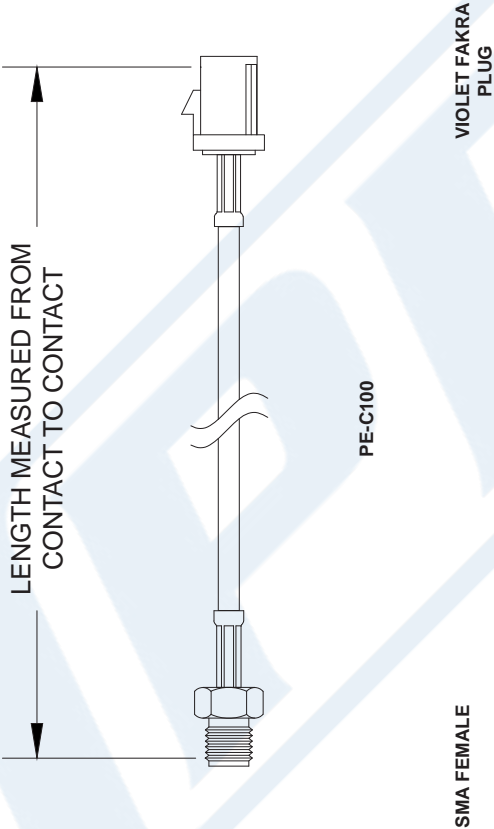
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to Violet FAKRA Plug Cable 48 Inch Length Using PE-C100-LSZH Coax PE39344H-48](https://www.pasternack.com/sma-female-fakra-plug-pe-c100-cable-assembly-pe39344h-48-p.aspx)

URL: <https://www.pasternack.com/sma-female-fakra-plug-pe-c100-cable-assembly-pe39344h-48-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.

PE39344H-48 CAD Drawing

SMA Female to Violet FAKRA Plug Cable 48 Inch Length Using PE-C100-LSZH Coax



| How To Order | | | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|--|---|---|-------------|------------------|-------------|-----------------------|
| <div>Part Number Configuration</div> <div>PE3<div>zzz</div> <div>yy</div> - <div>xx</div> <div>uu</div></div> <div>00 - 99999</div> <div>LF = RoHS Compliant</div> <div>< Blank > = Standard</div> <div>Note: LF applies only to RF cables</div> | <div>Examples</div> <div>PE3000LF-100</div> <div>PE3000-100</div> <div>PE3000LF-100CM</div> <div>PE3000-100CM</div> | <div>CM = Centimeters</div> <div>< Blank > = Inches</div> <div>Length</div> | -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 |

PE39344H

DWG TITLE

PE39344H

FSCM NO. 53919

PE PASTERNAK®

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

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.

CAD FILE

41613

SCALE

N/A

SIZE

A

© 2017 Pasternack Enterprises All Rights Reserved

PE39344H-48 REV 1.0

4