


**SMA Male to Violet FAKRA Plug Cable  
24 Inch Length Using RG316 Coax**
**RF Cable Assemblies Technical Data Sheet**
**PE39343H-24**
**Configuration**

- Connector 1: SMA Male
- Connector 2: FAKRA Plug
- Cable Type: RG316

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.42	0.52	0.677	0.96	1.36	dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

**Mechanical Specifications**
**Cable Assembly**

Length*	24 in [609.6 mm]
Diameter	0.37 in [9.4 mm]
Weight	0.036 lbs [16.33 g]

**Cable**

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid

 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 Violet FAKRA Plug Cable 24 Inch Length Using RG316 Coax PE39343H-24](#)



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 Jacket Material  
 Jacket Diameter

 FEP, Tan  
 0.098 in [2.49 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	FAKRA Plug
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	30µ in. Minimum	
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Nickel	Plastic
Body Plating Specification	100µ in. Minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100µ in. Minimum	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

#### 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.

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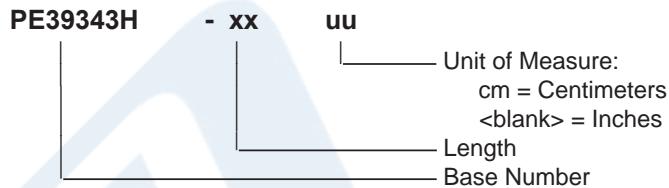
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#### How to Order

Part Number Configuration:



Example: PE39343H-12 = 12 inches long cable  
PE39343H-100cm = 100 cm long cable

SMA Male to Violet FAKRA Plug Cable 24 Inch Length Using RG316 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 Male to Violet FAKRA Plug Cable 24 Inch Length Using RG316 Coax PE39343H-24](#)

URL: <https://www.pasternack.com/sma-male-fakra-plug-rg316u-cable-assembly-pe39343h-24-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.

# PE39343H-24 CAD Drawing

SMA Male to Violet FAKRA Plug Cable 24 Inch Length Using RG316 Coax



RG316/U

VIOLET FAKRA  
PLUG

SMA MALE

How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration	Examples	-12	12"	-25CM	25Cm
PE3 <u>zzz</u> <u>yy</u> - <u>xx</u> <u>uu</u>	PE3000LF-100	-24	24"	-50CM	50Cm
00 - 99999	PE3000-100	-36	36"	-75CM	75Cm
LF = RoHS Compliant	PE3000LF-100CM	-48	48"	-100CM	100Cm
< Blank > = Standard	PE3000-100CM	-60	60"	-125CM	125Cm
Length		-xx	Custom Length	-xxCM	Custom Length

DWG TITLE

**PE39343H**

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.

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Part #	CAD FILE	SCALE N/A	SIZE A
FSCM NO. 53919	41613		