



Violet FAKRA Plug to FAKRA Plug Cable
48 Inch Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

PE38755H-48

Configuration

- Connector 1: FAKRA Plug
- 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.)	0.64	0.84	1.153	1.72	2.52	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* 48 in [121.92 cm]

Diameter 0.37 in [9.4 mm]

Weight 0.06 lbs [27.22 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: [Violet FAKRA Plug to FAKRA Plug Cable 48 Inch Length Using RG316 Coax PE38755H-48](#)



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Jacket Material
Jacket Diameter

FEP, Tan
0.098 in [2.49 mm]

Connectors

Description	Connector 1	Connector 2
Type	FAKRA Plug	FAKRA Plug
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Dielectric Type	Teflon	Teflon
Outer Conductor Material and Plating	Brass, Nickel	Brass, Nickel
Body Material and Plating	Plastic	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.

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How to Order

Part Number Configuration:

PE38755H

- **xx**

uu

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

Example: PE38755H-12 = 12 inches long cable
PE38755H-100cm = 100 cm long cable

Violet FAKRA Plug to FAKRA Plug Cable 48 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.

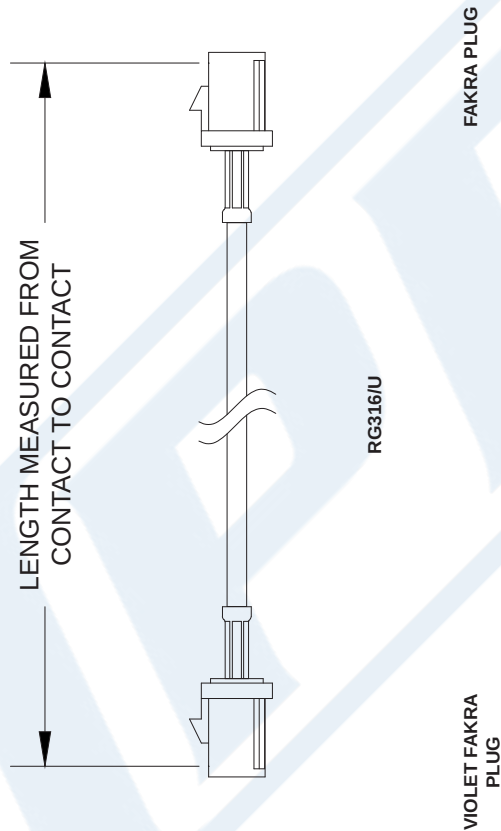
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URL: <https://www.pasternack.com/fakra-plug-fakra-plug-rg316u-cable-assembly-pe38755h-48-p.aspx>

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.

PE38755H-48 CAD Drawing

Violet FAKRA Plug to FAKRA Plug Cable 48 Inch Length Using RG316 Coax



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

- 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.

DWG TITLE
PE38755H

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FSCM NO. 53919

CAD FILE 41613

SCALE N/A

SIZE A