



Violet FAKRA Plug to FAKRA Jack Cable  
36 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

PE38752H-36

**Configuration**

- Connector 1: FAKRA Plug
- Connector 2: FAKRA Jack
- Cable Type: RG174

**Electrical Specifications**

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 1,000   | MHz          |
| VSWR                    |         |               | 1.4:1   |              |
| Velocity of Propagation |         | 66            |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |

**Specifications by Frequency**

| Description           | F1    | F2     | F3     | F4     | F5     | Units |
|-----------------------|-------|--------|--------|--------|--------|-------|
| Frequency             | 50    | 100    | 250    | 500    | 1,000  | MHz   |
| Insertion Loss (Typ.) | 0.326 | 0.452  | 0.611  | 0.835  | 1.16   | 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*  | 36 in [914.4 mm]   |
| Diameter | 0.37 in [9.4 mm]   |
| Weight   | 0.04 lbs [18.14 g] |

**Cable**

|                                      |                     |
|--------------------------------------|---------------------|
| Cable Type                           | RG174               |
| Impedance                            | 50 Ohms             |
| Inner Conductor Type                 | Stranded            |
| Inner Conductor Material and Plating | Copper Clad Steel   |
| Dielectric Type                      | PE (LD)             |
| Number of Shields                    | 1                   |
| Shield Layer 1                       | Tinned 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 Jack Cable 36 Inch Length Using RG174 Coax PE38752H-36](#)



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Jacket Material  
Jacket Diameter

PVC, Black  
0.1 in [2.54 mm]

**Connectors**

| Description                          | Connector 1           | Connector 2           |
|--------------------------------------|-----------------------|-----------------------|
| Type                                 | FAKRA Plug            | FAKRA Jack            |
| 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:

**PE38752H**

- **xx**

**uu**

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

Example: PE38752H-12 = 12 inches long cable  
PE38752H-100cm = 100 cm long cable

Violet FAKRA Plug to FAKRA Jack Cable 36 Inch Length Using RG174 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.

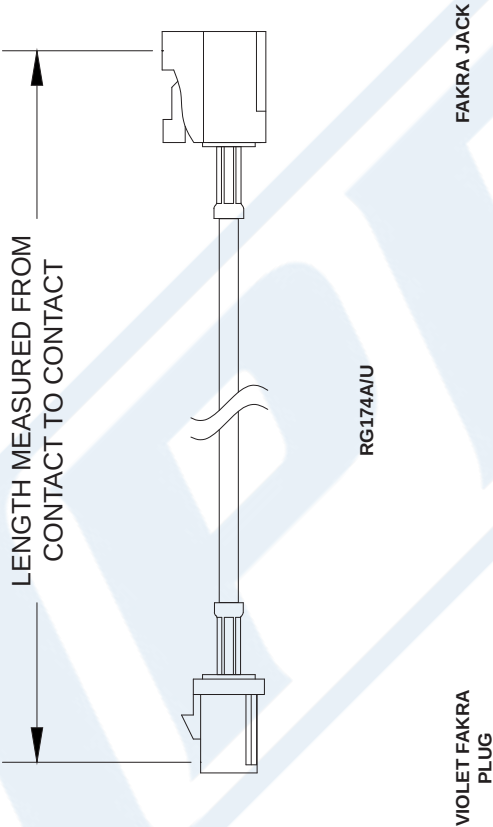
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Violet FAKRA Plug to FAKRA Jack Cable 36 Inch Length Using RG174 Coax PE38752H-36](#)

URL: <https://www.pasternack.com/fakra-plug-fakra-jack-rg174au-cable-assembly-pe38752h-36-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.

PE38752H-36 CAD Drawing

Violet FAKRA Plug to FAKRA Jack Cable 36 Inch Length Using RG174 Coax



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



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DWG TITLE  
**PE38752H**

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.

|                |                |           |        |
|----------------|----------------|-----------|--------|
| FSCM NO. 53919 | CAD FILE 41613 | SCALE N/A | SIZE A |
|----------------|----------------|-----------|--------|