



C Male to C Male Cable Using RG141 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE34440LF

Configuration

- Connector 1: C Male
- Connector 2: C Male
- Cable Type: RG141

Features

- Max Frequency 10 GHz
- PTFE (FG) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34440LF type C male to type C male cable using RG141 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack type C to type C cable assembly has a male to male gender configuration with 50 ohm flexible RG141 coax. The PE34440LF type C male to type C male cable assembly operates to 10 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|--------------|---------|--------------|
| Frequency Range | DC | | 10 | GHz |
| VSWR | | | 1.4:1 | |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |
| Dielectric Withstanding Voltage (AC) | | | 3,000 | Vrms |
| Jacket Spark | | | 2,000 | Vrms |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [C Male to C Male Cable Using RG141 Coax , LF Solder PE34440LF](#)



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Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|--------|--------|--------|------|-------|
| Frequency | 0.5 | 1 | 2.5 | 5 | 10 | GHz |
| Insertion Loss (Typ.) | 0.279 | 0.33 | 0.416 | 0.56 | 0.82 | dB/ft |
| | 0.92 | 1.08 | 1.36 | 1.84 | 2.69 | dB/m |
| VSWR (Max.) | 1.4:1 | 1.4:1 | 1.4:1 | 1.4:1 | | |
| Return Loss (Max.) | 15.56 | 15.563 | 15.563 | 15.563 | | dB |

Mechanical Specifications

Cable Assembly

Diameter 0.75 in [19.05 mm]

Weight 0.145 lbs [65.77 g]

Cable

Cable Type RG141
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper
 Jacket Material PTFE (FG), Beige
 Jacket Diameter 0.19 in [4.83 mm]

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Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|------------------|------------------|
| Type | C Male | C Male |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Silver | Brass, Silver |
| Contact Plating Specification | 200µ in. minimum | 200µ in. minimum |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum | 100µ in. minimum |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Specification | 100µ in. minimum | 100µ in. minimum |

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 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:

PE34440LF - xx uu

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

Example: PE34440LF-12 = 12 inches long cable
PE34440LF-100cm = 100 cm long cable

C Male to C Male Cable Using RG141 Coax , LF Solder 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: [C Male to C Male Cable Using RG141 Coax , LF Solder PE34440LF](https://www.pasternack.com/c-male-c-male-rg141au-cable-assembly-pe34440lf-p.aspx)

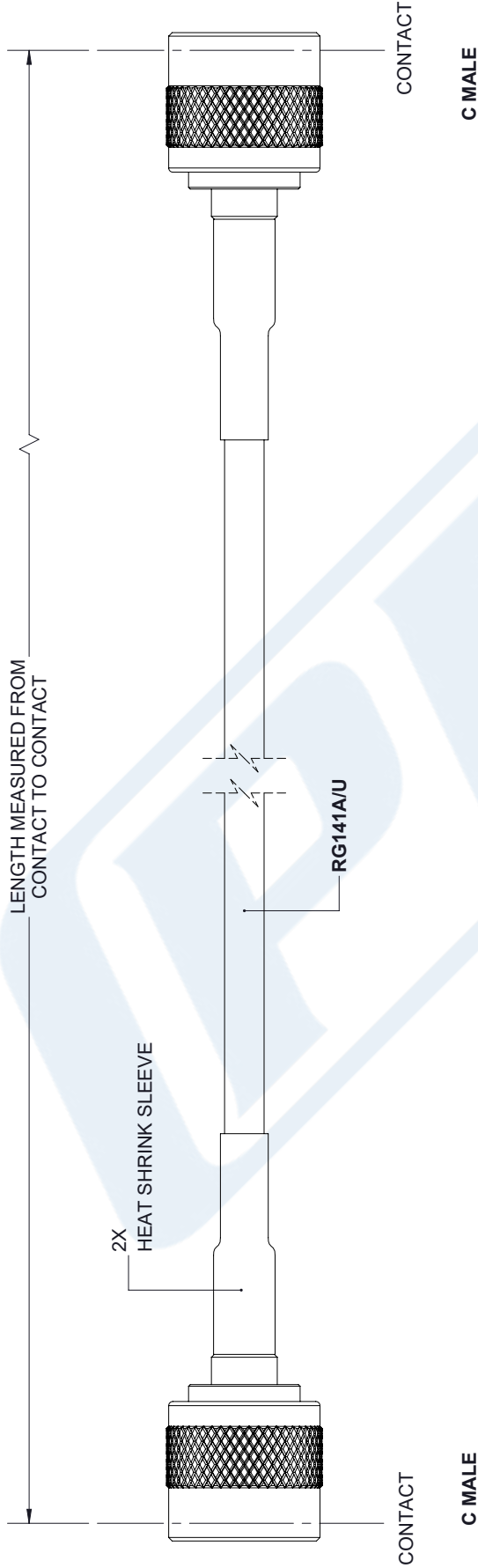
URL: <https://www.pasternack.com/c-male-c-male-rg141au-cable-assembly-pe34440lf-p.aspx>

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.

PE34440LF CAD Drawing

C Male to C Male Cable Using RG141 Coax , LF Solder

| REVISIONS | | | |
|-----------|-----------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 07/23/19 | S.ELLIS |



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| SIZE | CAGE | DRAWN BY | PART NUMBER |
| A | 53919 | K.DANG | PE34440LF |
| SHEET 1 OF 1 | | | SCALE N/A |
| REV | | | A |

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