

N Male to N Male Cable Using RG141 Coax with HeatShrink, LF Solder



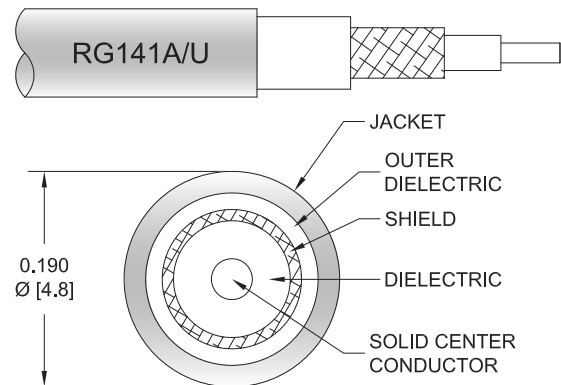
PE36589LF/HS

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG141
- Coax Flex Type: Flexible

Features

- Max Frequency 10 GHz
- PTFE (FG) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36589LF/HS type N male to type N 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 N to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG141 coax. The PE36589LF/HS type N male to type N 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)			700	Vrms
Jacket Spark			2,000	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			500	1000	2500	5000	10000	MHz	
PE36589LF/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.13	0.22	0.36	0.62	dB/ft	
			0.27	0.43	0.71	1.19	2.04	dB/m	
PE36589LF/HS-12	12 inch	Insertion Loss (Typ.)	0.28	0.33	0.42	0.56	0.82	dB	0.169
PE36589LF/HS-24	24 inch	Insertion Loss (Typ.)	0.36	0.46	0.64	0.92	1.44	dB	0.202
PE36589LF/HS-36	36 inch	Insertion Loss (Typ.)	0.44	0.59	0.85	1.28	2.06	dB	0.235
PE36589LF/HS-48	48 inch	Insertion Loss (Typ.)	0.52	0.72	1.07	1.64	2.68	dB	0.268
PE36589LF/HS-60	60 inch	Insertion Loss (Typ.)	0.6	0.85	1.29	2	3.3	dB	0.301

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.169 pounds
Additional Weight per Inch:	0.00275 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]

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]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel

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Environmental Specifications

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

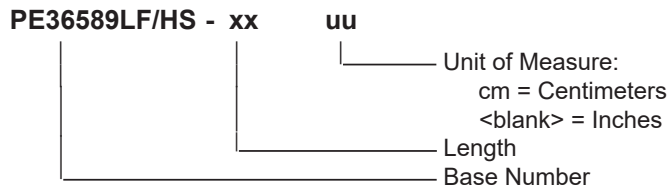
Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE36589LF/HS-12 = 12 inches long cable
PE36589LF/HS-100cm = 100 cm long cable

N Male to N Male Cable Using RG141 Coax with HeatShrink, 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: [N Male to N Male Cable Using RG141 Coax with HeatShrink, LF Solder PE36589LF/HS](#)

URL: <https://www.pasternack.com/n-male-to-n-male-cable-using-rg141-with-heatshrink-lf-solder-pe36589lf-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE36589LF/HS CAD Drawing

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