



## Reverse Polarity N Plug to Reverse Polarity N Plug Cable Using RG8 Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

**PE3W00076LF**

#### Configuration

- Connector 1: N Plug Reverse Polarity
- Connector 2: N Plug Reverse Polarity
- Cable Type: RG8

#### Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC (NC) Jacket
- 500 Mating Cycles

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W00076LF reverse polarity type N plug to reverse polarity type N plug cable using RG8 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 reverse polarity type N to reverse polarity type N cable assembly has a plug to plug gender configuration with 50 ohm flexible RG8 coax. The PE3W00076LF reverse polarity type N plug to reverse polarity type N plug cable assembly operates to 1 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity N Plug to Reverse Polarity N Plug Cable Using RG8 Coax , LF Solder PE3W00076LF](#)



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### 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.)	0.013	0.017	0.029	0.049	0.08	dB/ft
	0.04	0.06	0.1	0.16	0.26	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.261 lbs [118.39 g]

#### Cable

Cable Type RG8  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper  
 Dielectric Type PE  
 Number of Shields 1  
 Shield Layer 1 Copper Braid  
 Jacket Material PVC (NC), Black  
 Jacket Diameter 0.405 in [10.29 mm]

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Reverse Polarity N Plug to Reverse Polarity N  
Plug Cable Using RG8 Coax , LF Solder

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**PE3W00076LF**

### Connectors

Description	Connector 1	Connector 2
Type	N Plug Reverse Polarity	N Plug Reverse Polarity
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range

-40 to +80 deg C

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

### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity N Plug to Reverse Polarity N Plug Cable Using RG8 Coax , LF Solder PE3W00076LF](#)



Reverse Polarity N Plug to Reverse Polarity N  
Plug Cable Using RG8 Coax , LF Solder

**RF Cable Assemblies Technical Data Sheet**

**PE3W00076LF**

**How to Order**

Part Number Configuration:

**PE3W00076LF - xx uu**

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

Example: PE3W00076LF-12 = 12 inches long cable  
PE3W00076LF-100cm = 100 cm long cable

Reverse Polarity N Plug to Reverse Polarity N Plug Cable Using RG8 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.

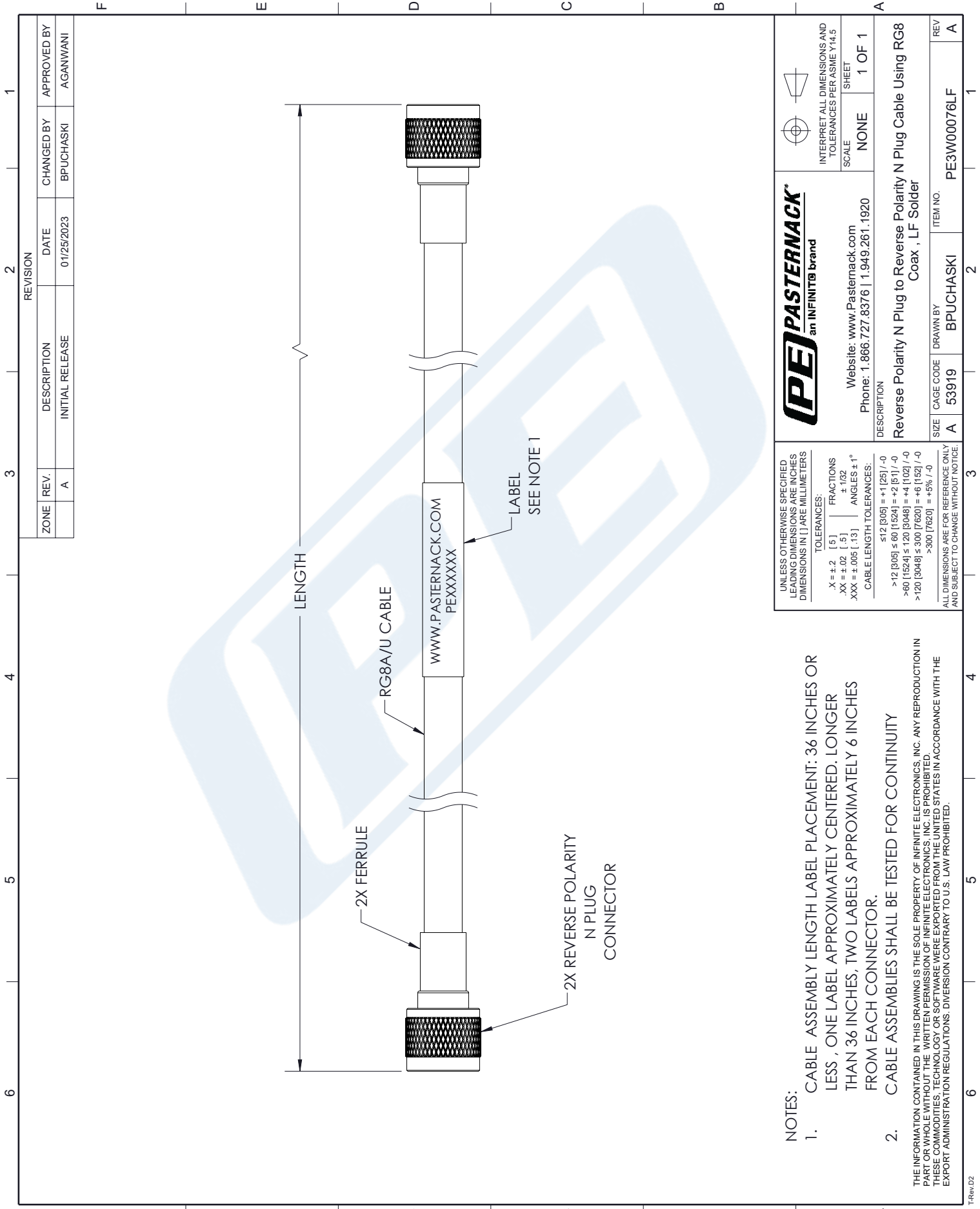
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity N Plug to Reverse Polarity N Plug Cable Using RG8 Coax , LF Solder PE3W00076LF](#)

URL: <https://www.pasternack.com/reverse-polarity-n-plug-to-reverse-polarity-n-plug-cable-using-rg8-lf-solder-pe3w00076lf-p.aspx>

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# PE3W00076LF CAD Drawing

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- NOTES:**
- CABLE ASSEMBLY LABEL PLACEMENT: 36 INCHES OR LESS , ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
  - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [ .5 ]	FRACTIONS ± 1/32
.XX = ±.02 [ .5 ]	ANGLES ± 1°
.XXX = ±.005 [ .13 ]	CABLE LENGTH TOLERANCES:
	≤12 [305] = +1 [25] / -0
	>12 [305] ≤ 60 [1524] = +2 [51] / -0
	>60 [1524] ≤ 120 [3048] = +4 [102] / -0
	>120 [3048] ≤ 300 [7620] = +6 [152] / -0
	>300 [7620] = +5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	

Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION Reverse Polarity N Plug to Reverse Polarity N Plug Cable Using RG8 Coax , LF Solder		
SIZE: A CAGE CODE: 53919 DRAWN BY: BPUCHASKI ITEM NO.: PE3W00076LF	REV: A	