



HN Male Right Angle to N Male Right Angle  
Cable Using RG213 Coax , LF Solder

## RF Cable Assemblies Technical Data Sheet

**PE36923LF**

### Configuration

- Connector 1: HN Male Right Angle
- Connector 2: N Male Right Angle
- Cable Type: RG213

### Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

### Applications

- General Purpose
- Laboratory Use

### Description

Pasternack's PE36923LF HN male right angle to type N male right angle cable using RG213 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 HN to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG213 coax. The PE36923LF HN male to type N male cable assembly operates to 1 GHz. The right angle HN and right angle type N interfaces on the RG213 cable allow for easier connections in tight spaces.

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: [HN Male Right Angle to N Male Right Angle Cable Using RG213 Coax , LF Solder PE36923LF](#)



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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]
Operating Voltage (AC)			1,500	Vrms

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.016	0.021	0.034	0.053	0.08	dB/ft
	0.05	0.07	0.11	0.17	0.26	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.458 lbs [207.75 g]

#### Cable

Cable Type RG213  
 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, Black  
 Jacket Diameter 0.405 in [10.29 mm]

Repeated Minimum Bend Radius 1.6 in [40.64 mm]

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### Connectors

Description	Connector 1	Connector 2
Type	HN Male Right Angle	N Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	

### Environmental Specifications

#### Temperature

Operating Range -25 to +70 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: [HN Male Right Angle to N Male Right Angle Cable Using RG213 Coax , LF Solder PE36923LF](#)



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**RF Cable Assemblies Technical Data Sheet**

**PE36923LF**

**How to Order**

Part Number Configuration:

**PE36923LF - xx uu**

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

Example: PE36923LF-12 = 12 inches long cable  
PE36923LF-100cm = 100 cm long cable

HN Male Right Angle to N Male Right Angle Cable Using RG213 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.

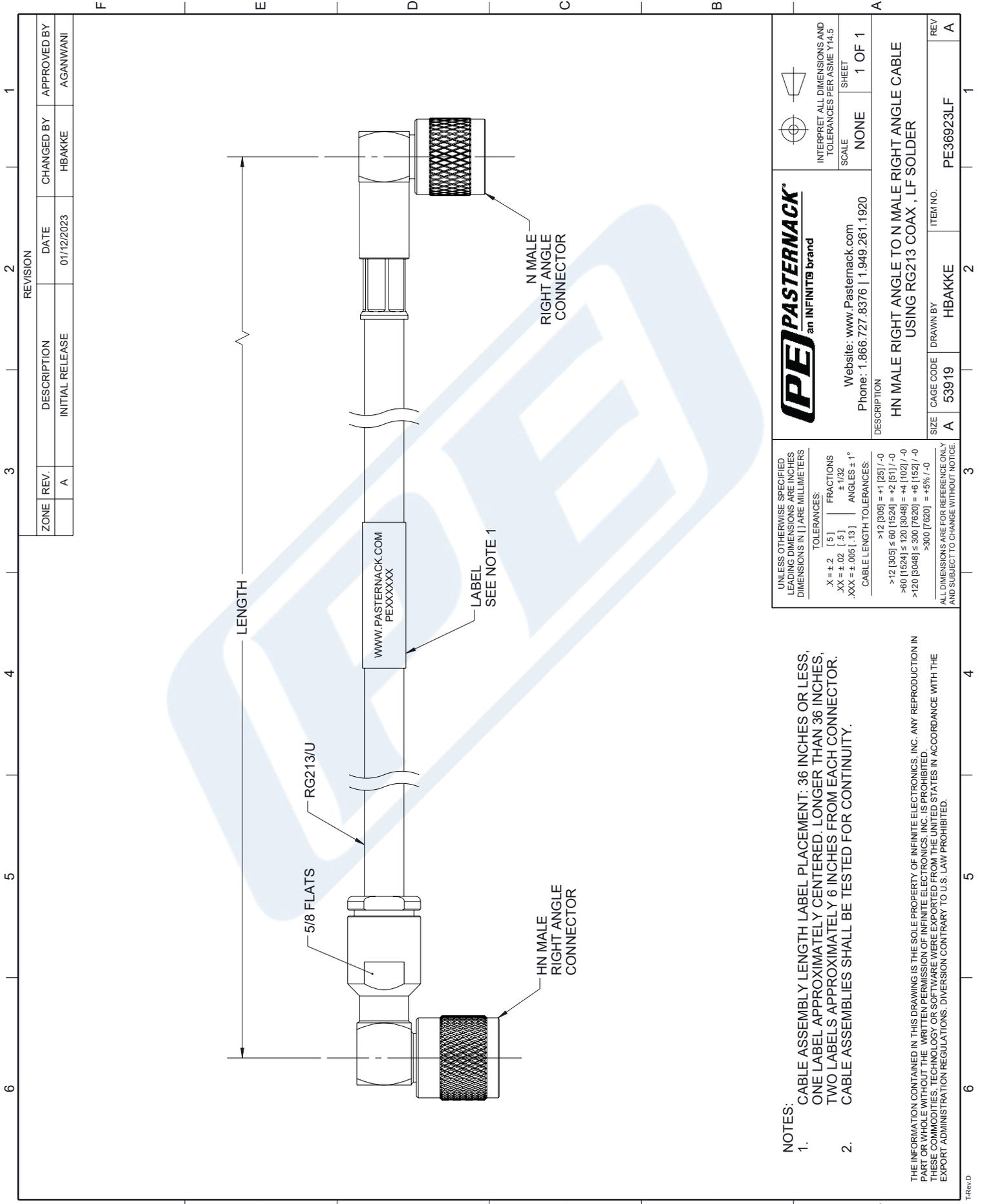
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle to N Male Right Angle Cable Using RG213 Coax , LF Solder PE36923LF](#)

URL: <https://www.pasternack.com/hn-male-right-angle-to-n-male-cable-using-rg213-lf-solder-pe36923lf-p.aspx>

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# PE36923LF CAD Drawing

## HN Male Right Angle to N Male Right Angle Cable Using RG213 Coax , LF Solder



**NOTES:**

- CABLE ASSEMBLY LENGTH 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
.XX = ± .02	[ .5 ]	± 1/32
.XXX = ± .005	[ .13 ]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

>12 [305]	= +1 [25] / -0
>60 [1524]	= +2 [51] / -0
>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

**PE PASTERNAK**  
an INFINITO brand

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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	HN MALE RIGHT ANGLE TO N MALE RIGHT ANGLE CABLE USING RG213 COAX , LF SOLDER	
SIZE	CAGE CODE	ITEM NO.
A	53919	HBAKKE
REV	DRAWN BY	ITEM NO.
A	HBAKKE	PE36923LF