

BNC Male to BNC Male Cable Using RG223 Coax with HeatShrink, LF Solder

PE3087LF/HS

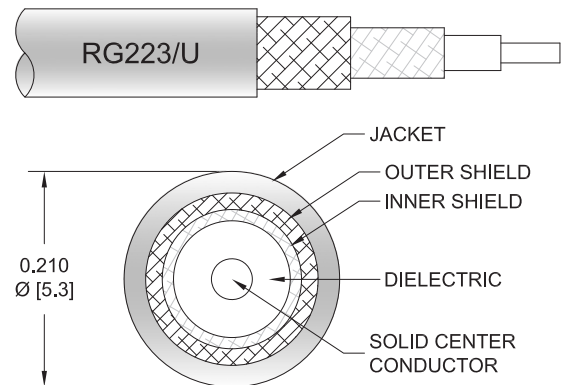


Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG223
- Coax Flex Type: Flexible

Features

- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3087LF/HS BNC male to BNC male cable using RG223 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 BNC to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG223 coax. The PE3087LF/HS BNC male to BNC male cable assembly operates to 4 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

BNC Male to BNC Male Cable Using RG223 Coax with HeatShrink, LF Solder



PE3087LF/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	4000	MHz	
PE3087LF/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.04	0.061	0.09	0.134	0.291	dB/ft	
			0.14	0.21	0.3	0.44	0.96	dB/m	
PE3087LF/HS-12	12 inch	Insertion Loss (Typ.)	0.24	0.27	0.29	0.34	0.5	dB	0.085
PE3087LF/HS-24	24 inch	Insertion Loss (Typ.)	0.28	0.33	0.38	0.47	0.79	dB	0.117
PE3087LF/HS-36	36 inch	Insertion Loss (Typ.)	0.32	0.39	0.47	0.61	1.08	dB	0.148
PE3087LF/HS-60	60 inch	Insertion Loss (Typ.)	0.4	0.51	0.65	0.87	1.66	dB	0.21
PE3087LF/HS-72	72 inch	Insertion Loss (Typ.)	0.44	0.57	0.74	1.01	1.95	dB	0.241

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:	0.085 pounds
Additional Weight per Inch:	0.00259 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.054 lbs [24.49 g]

Cable

Cable Type	RG223
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.209 in [5.31 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]

BNC Male to BNC Male Cable Using RG223 Coax with HeatShrink, LF Solder



PE3087LF/HS

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
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	100 µin minimum

Environmental Specifications

Operating Range Temperature -40 to +80 deg C

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

Plotted and Other Data

Notes:

BNC Male to BNC Male Cable Using RG223 Coax with HeatShrink, LF Solder



PE3087LF/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3087LF/HS - xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length
Base Number

Example: PE3087LF/HS-12 = 12 inches long cable
PE3087LF/HS-100cm = 100 cm long cable

BNC Male to BNC Male Cable Using RG223 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.

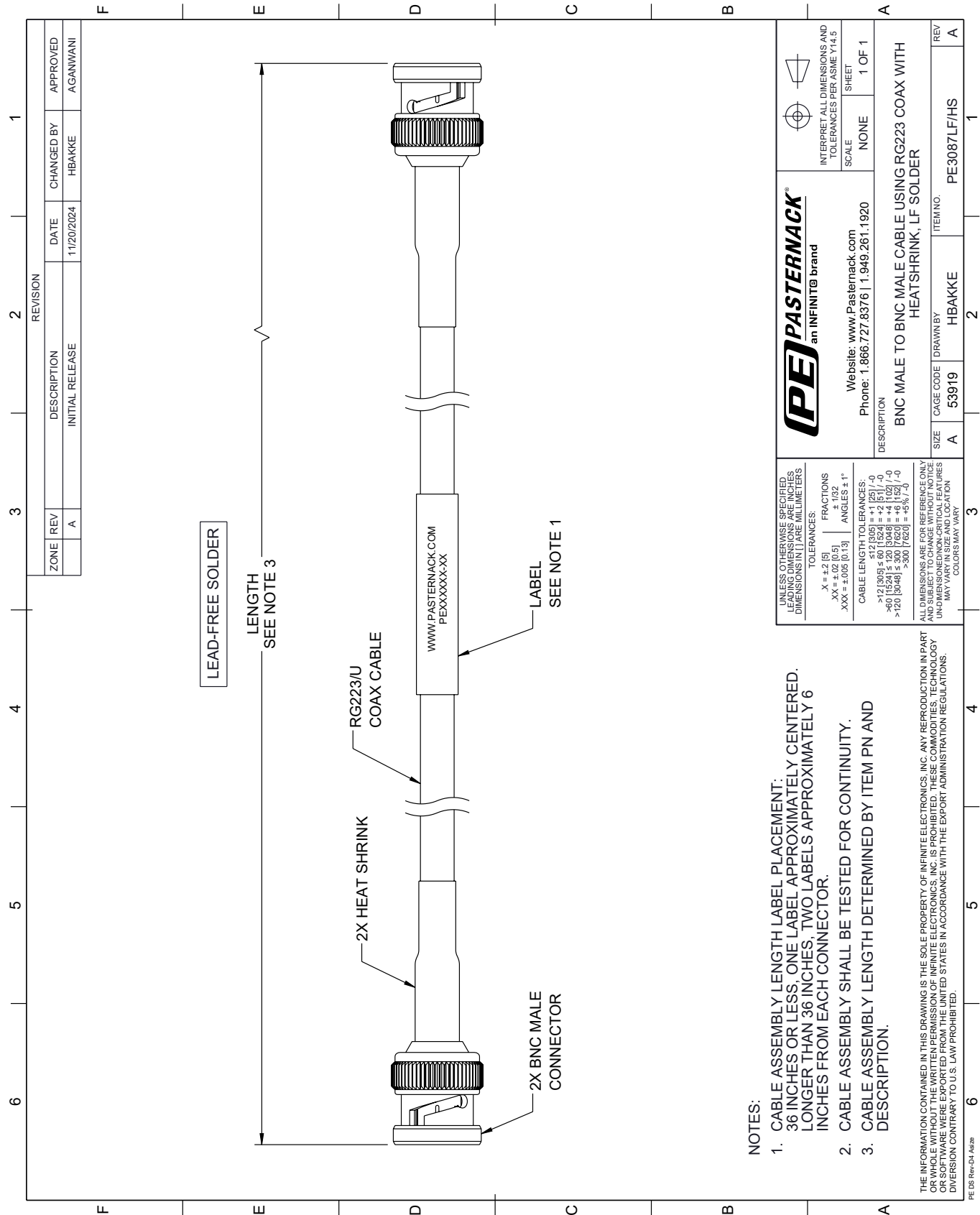
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Male Cable Using RG223 Coax with HeatShrink, LF Solder PE3087LF/HS](#)

URL: <https://www.pasternack.com/bnc-male-to-bnc-male-cable-using-rg223-with-heatshrink-lf-solder-pe3087lf-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.

PE3087LF/HS CAD Drawing

BNC Male to BNC Male Cable Using RG223 Coax with HeatShrink, LF Solder



NOTES:

- 1. 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.
- 2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE NOT EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS		TOLERANCES: X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]		FRACTIONS: ± 1/32 ANGLES ± 1°		CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.2 [5] / -0 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0 >120 [3048] ≤ 300 [7620] = ±.6 [152] / -0 CABLE LENGTH TOLERANCES: >300 [7620] = ±.8% / -0		ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF INDIVIDUAL COMPONENTS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	
(PE) PASTERNAK® an INFINITE® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE: NONE		SHEET: 1 OF 1		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
DESCRIPTION BNC MALE TO BNC MALE CABLE USING RG223 COAX WITH HEATSHRINK, LF SOLDER		ITEM NO. PE3087LF/HS		CAGE CODE 53919		DRAWN BY HBAKKE		REV A	