

UHF Male to UHF Male Cable Using RG213 Coax, LF Solder



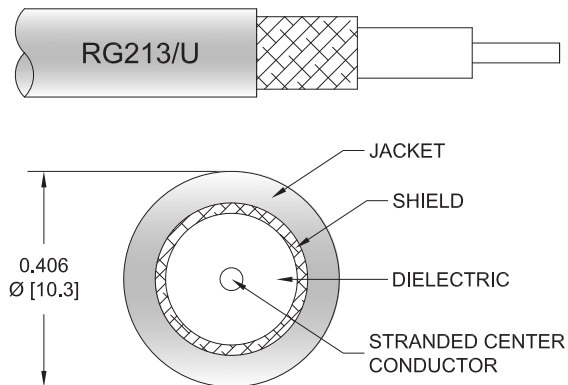
PE3W00582LF

Configuration

- Connector 1: UHF Male
- Connector 2: UHF Male
- Cable Type: RG213
- Coax Flex Type: Flexible

Features

- Max Frequency 300 MHz
- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00582LF UHF male to UHF male 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 UHF to UHF cable assembly has a male to male gender configuration with 50 ohm flexible RG213 coax. The PE3W00582LF UHF male to UHF male cable assembly operates to 300 MHz.

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		300	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	50	100	250	300	
PE3W00582LF	Custom Lengths Available	Insertion Loss (Typ.)	0	0.02	0.03	0.04	dB/ft	
			0.02	0.08	0.11	0.12	dB/m	
PE3W00582LF-24	24 inch	Insertion Loss (Typ.)	0.21	0.25	0.27	0.28	dB	0.355
PE3W00582LF-36	36 inch	Insertion Loss (Typ.)	0.22	0.27	0.3	0.31	dB	0.456
PE3W00582LF-48	48 inch	Insertion Loss (Typ.)	0.22	0.29	0.33	0.35	dB	0.557
PE3W00582LF-60	60 inch	Insertion Loss (Typ.)	0.22	0.31	0.36	0.38	dB	0.658
PE3W00582LF-72	72 inch	Insertion Loss (Typ.)	0.23	0.34	0.39	0.42	dB	0.759

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:	0.253 pounds
Additional Weight per Inch:	0.00842 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.253 lbs [114.76 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]

Connectors

Description	Connector 1	Connector 2
Type	UHF Male	UHF Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel

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Environmental Specifications

Operating Range Temperature -25 to +70 deg C

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

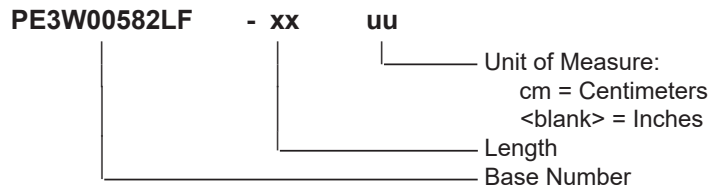
Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3W00582LF-12 = 12 inches long cable
PE3W00582LF-100cm = 100 cm long cable

UHF Male to UHF Male 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.

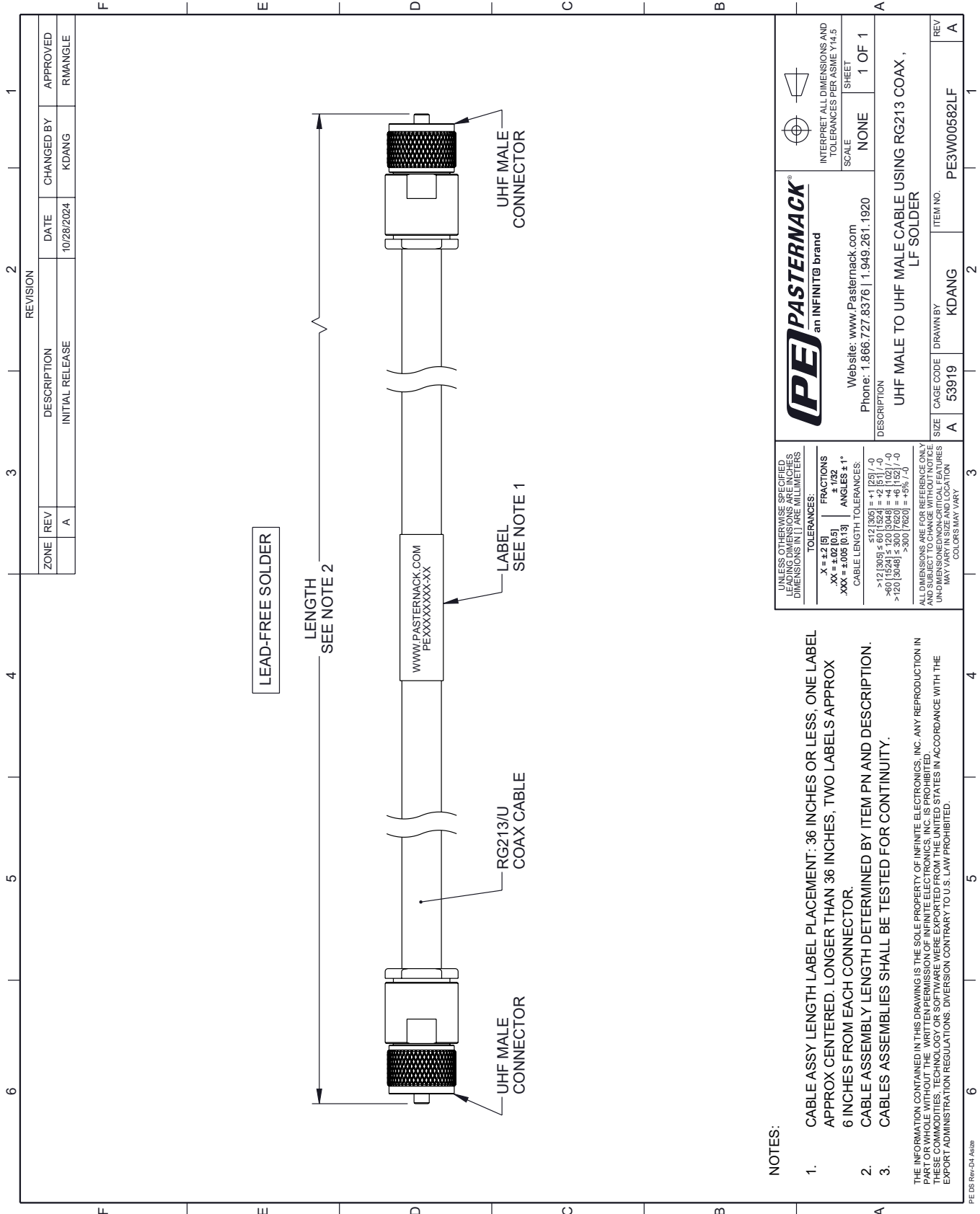
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male to UHF Male Cable Using RG213 Coax, LF Solder PE3W00582LF](#)

URL: <https://www.pasternack.com/uhf-male-to-uhf-male-cable-using-rg213-lf-solder-pe3w00582lf-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.

PE3W00582LF CAD Drawing

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NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: .36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN .36 INCHES, TWO LABELS APPROX .6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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PE DS Rev-D4-A320

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.		 PASTERNAK [®] an INFINITB brand Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1	
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 [51] / -0 >12 [305] ±.60 [1524] = +4 [102] / -0 >20 [508] ±.30 [762] = +5% / -0		DESCRIPTION UHF MALE TO UHF MALE CABLE USING RG213 COAX , LF SOLDER	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		SIZE A CAGE CODE 53919 DRAWN BY KDANG	ITEM NO. PE3W00582LF	REV A	SHEET 1 OF 1

REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	10/28/2024
		CHANGED BY	APPROVED
		KDANG	RMANGLE