



75 Ohm Push-On MCX Plug RA to 75 Ohm Push-On MCX Plug RA Cable Using 75 Ohm RG179 Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet

PE36182LF/HS

Configuration

- Connector 1: Push-OnMCX Plug Right Angle
- Connector 2: Push-OnMCX Plug Right Angle
- Cable Type: RG179

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36182LF/HS 75 ohm MCX plug push-on right angle to 75 ohm MCX plug push-on right angle cable using 75 ohm RG179 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 MCX to MCX cable assembly has a plug to plug gender configuration with 75 ohm flexible RG179 coax. The PE36182LF/HS MCX plug to MCX plug cable assembly operates to 3 GHz. The right angle MCX interfaces on the RG179 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: [75 Ohm Push-On MCX Plug RA to 75 Ohm Push-On MCX Plug RA Cable Using 75 Ohm RG179 Coax with HeatShrink, LF Solder PE36182LF/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		19.4 [63.65]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	400	500	1,000	MHz
Insertion Loss (Typ.)	0.09	0.137	0.184	0.203	0.3	dB/ft
	0.3	0.45	0.6	0.67	0.98	

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

Cable

Cable Type	RG179
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.1 in [2.54 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

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Connectors

Description	Connector 1	Connector 2
Type	MCX Plug Right Angle	MCX Plug Right Angle
Specification	MIL-C-39012	MIL-C-39012
Impedance	75 Ohms	75 Ohms
Connection Method	Push-On	Push-On
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material and Plating	Brass, Gold	Brass, Gold

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

Plotted and Other Data

Notes:

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RF Cable Assemblies Technical Data Sheet

PE36182LF/HS

How to Order

Part Number Configuration:

PE36182LF/HS - xx

uu

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

Example: PE36182LF/HS-12 = 12 inches long cable
PE36182LF/HS-100cm = 100 cm long cable

75 Ohm Push-On MCX Plug RA to 75 Ohm Push-On MCX Plug RA Cable Using 75 Ohm RG179 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.

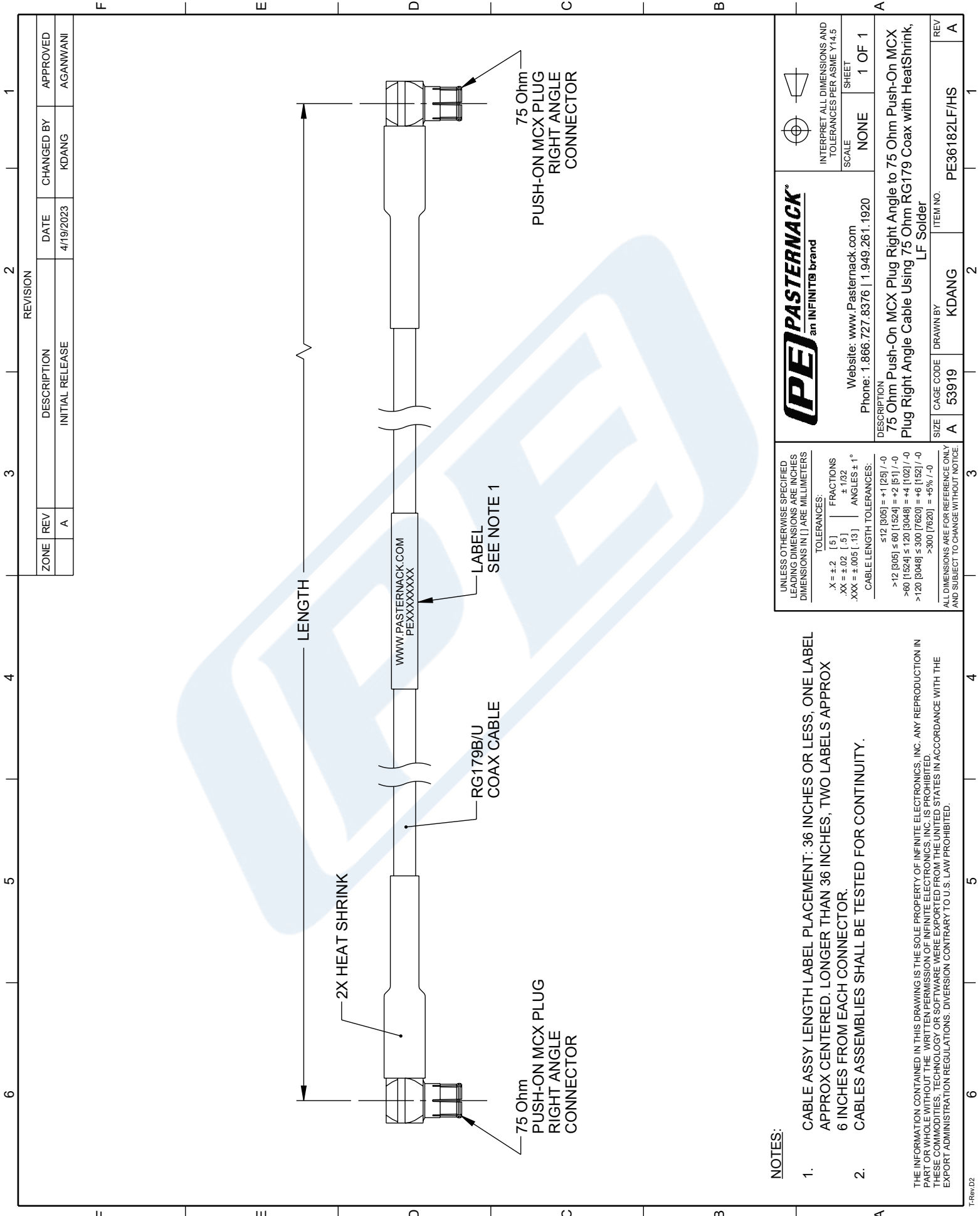
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Push-On MCX Plug RA to 75 Ohm Push-On MCX Plug RA Cable Using 75 Ohm RG179 Coax with HeatShrink, LF Solder PE36182LF/HS](https://www.pasternack.com/75-ohm-push-on-mcx-plug-right-angle-to-75-ohm-push-on-mcx-plug-cable-using-rg179-with-heatshrink-lf-solder-pe36182lf-hs)

URL: <https://www.pasternack.com/75-ohm-push-on-mcx-plug-right-angle-to-75-ohm-push-on-mcx-plug-cable-using-rg179-with-heatshrink-lf-solder-pe36182lf-hs-p.aspx>

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

PE36182LF/HS CAD Drawing

75 Ohm Push-On MCX Plug RA to 75 Ohm Push-On MCX Plug RA
Cable Using 75 Ohm RG179 Coax with HeatShrink, LF Solder



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	4/19/2023	KDANG	AGANWANI

PE PASTERNAK
an INFINITO brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION:
75 Ohm Push-On MCX Plug Right Angle to 75 Ohm Push-On MCX Plug Right Angle Cable Using 75 Ohm RG179 Coax with HeatShrink, LF Solder

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

ITEM NO. PE36182LF/HS

CAGE CODE: 53919

DRAWN BY: KDANG

- NOTES:**
- 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.
 - CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS
- TOLERANCES:
 .X = ±.2 [.5] FRACTIONS ±.1032
 .XX = ±.02 [.5] ±.1032
 .XXX = ±.005 [.13] ANGLES ± 1°
 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.
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