



75 Ohm MCX Plug Right Angle to 75 Ohm MCX Plug
Right Angle Cable Using 75 Ohm RG179 Coax

RF Cable Assemblies Technical Data Sheet

PE36182

Configuration

- Connector 1: MCX Plug Right Angle
- Connector 2: MCX Plug Right Angle
- Cable Type: RG179
- Coax Flex Type: Flexible

Features

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

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36182 75 ohm MCX plug right angle to 75 ohm MCX plug 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 PE36182 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 MCX Plug Right Angle to 75 Ohm MCX Plug Right Angle Cable Using 75 Ohm RG179 Coax PE36182](#)



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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		23 [75.46]		pF/ft [pF/m]
Operating Voltage (AC)			335	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Typ.)	0.09	0.137	0.203	0.3		dB/ft
	0.3	0.45	0.67	0.98		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 0.019 lbs [8.62 g]

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]

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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
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:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE36182

- **xx**

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

Example: PE36182-12 = 12 inches long cable
PE36182-100cm = 100 cm long cable

75 Ohm MCX Plug Right Angle to 75 Ohm MCX Plug Right Angle Cable Using 75 Ohm RG179 Coax 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.

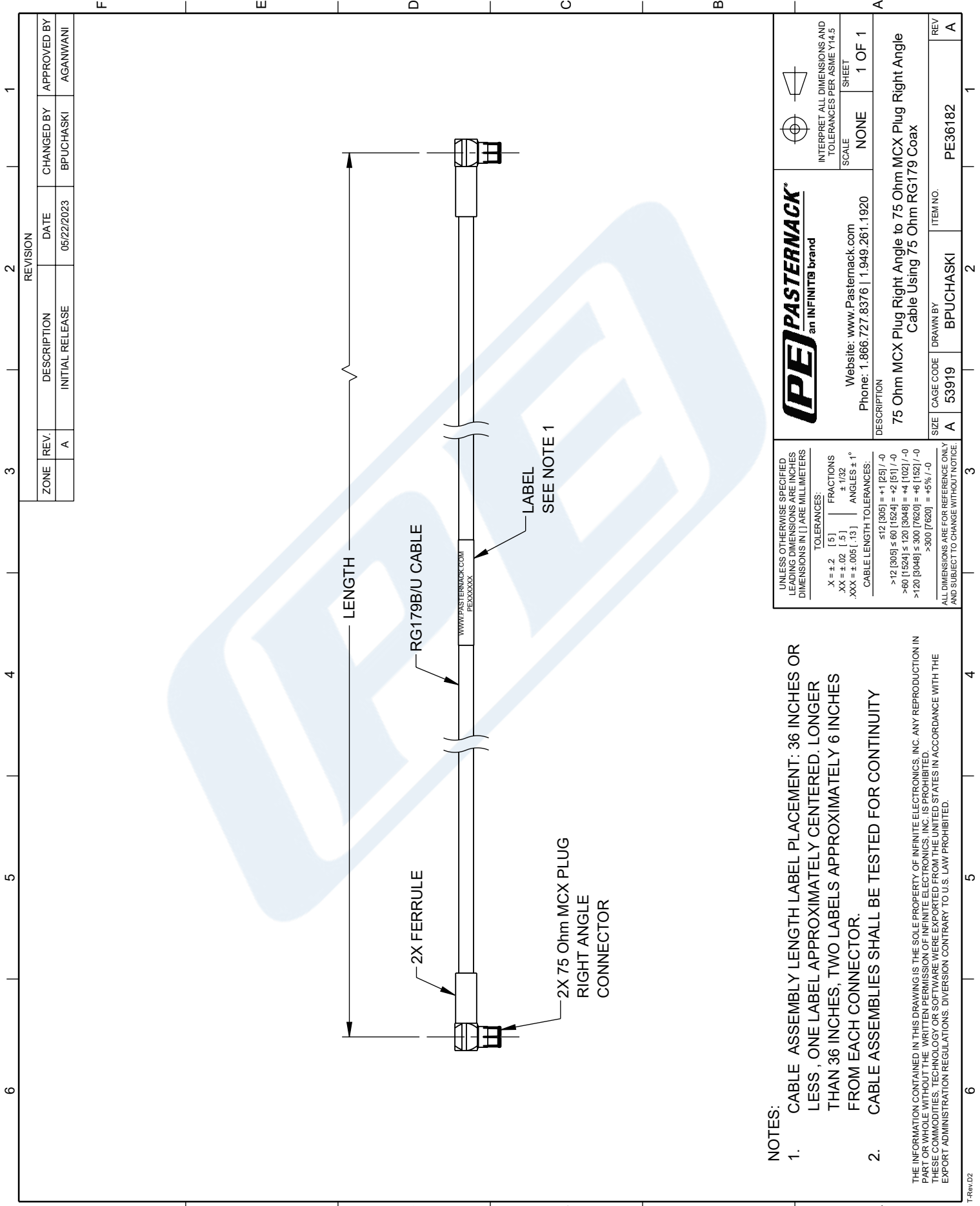
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm MCX Plug Right Angle to 75 Ohm MCX Plug Right Angle Cable Using 75 Ohm RG179 Coax PE36182](#)

URL: <https://www.pasternack.com/75-ohm-mcx-plug-right-angle-to-75-ohm-mcx-plug-cable-using-rg179-pe36182-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.

PE36182 CAD Drawing

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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 ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.Pasternack.com		SCALE	
X = ±.2 [5]		Phone: 1.866.727.8376 1.949.261.1920		NONE	
XX = ±.02 [.5]				SHEET	
.XXX = ±.005 [.13]				1 OF 1	
CABLE LENGTH TOLERANCES:		DESCRIPTION			
<12 [305] ≤ 60 [1524] = +2 [51] / -0		75 Ohm MCX Plug Right Angle to 75 Ohm MCX Plug Right Angle			
>60 [1524] ≤ 120 [3048] = +4 [102] / -0		Cable Using 75 Ohm RG179 Coax			
>120 [3048] ≤ 300 [7620] = +6 [152] / -0					
>300 [7620] = +5% / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		SIZE		REV	
		CAGE CODE		A	
		DRAWN BY		BPUCHASKI	
		ITEM NO.		PE36182	
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