



MMCX Plug Right Angle to MMCX Plug Cable  
50 cm Length Using PE-SR405FLJ Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3W05483-50CM**

**Configuration**

- Connector 1: MMCX Plug Right Angle
- Connector 2: MMCX Plug
- Cable Type: PE-SR405FLJ

**Features**

- Max Frequency 6 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3W05483-50CM MMCX plug right angle to MMCX plug 50 cm cable using PE-SR405FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack MMCX to MMCX cable assembly has a plug to plug gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W05483-50CM MMCX plug to MMCX plug cable assembly operates to 6 GHz. The right angle MMCX interface on the PE-SR405FLJ cable allows 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: [MMCX Plug Right Angle to MMCX Plug Cable 50 cm Length Using PE-SR405FLJ Coax PE3W05483-50CM](#)



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### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.546	0.668	0.801	1.067	1.285	dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

### Mechanical Specifications

#### Cable Assembly

Length*	19.68 in [499.87 mm]
Diameter	0.16 in [4.06 mm]

#### Cable

Cable Type	PE-SR405FLJ
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Tinned Copper Composite Braid
Jacket Material	FEP, Black
Jacket Diameter	0.105 in [2.67 mm]

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One Time Minimum Bend Radius  
Repeated Minimum Bend Radius

0.5 in [12.7 mm]  
0.787 in [19.99 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	MMCX Plug
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Phosphor Bronze, Gold over Nickel	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Gold

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

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

**Plotted and Other Data**

Notes:

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## MMCX Plug Right Angle to MMCX Plug Cable 50 cm Length Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W05483-50CM**

#### How to Order

Part Number Configuration:

**PE3W05483**

- **xx**

**uu**

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

Example: PE3W05483-12 = 12 inches long cable  
PE3W05483-100cm = 100 cm long cable

MMCX Plug Right Angle to MMCX Plug Cable 50 cm Length Using PE-SR405FLJ 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: [MMCX Plug Right Angle to MMCX Plug Cable 50 cm Length Using PE-SR405FLJ Coax PE3W05483-50CM](https://www.pasternack.com/mmcx-plug-mmcx-plug-pe-sr405flj-cable-assembly-pe3w05483-50cm-p.aspx)

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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.

PE3W05483-50CM CAD Drawing

MMCX Plug Right Angle to MMCX Plug Cable 50 cm Length Using PE-SR405FLJ Coax

