



MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax

RF Cable Assemblies Technical Data Sheet

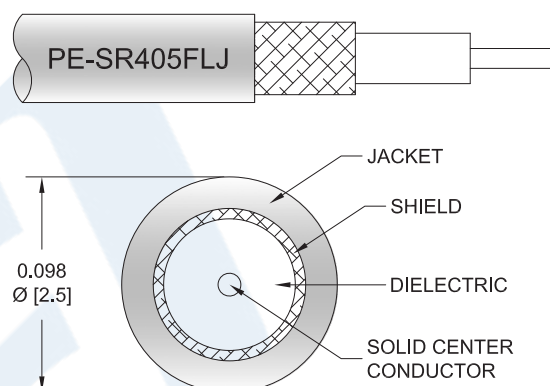
PE3C6411

Configuration

- Connector 1: MCX Plug Right Angle
- Connector 2: SMA Male
- Cable Type: PE-SR405FLJ

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6411 MCX plug right angle to SMA male 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 MCX to SMA cable assembly has a plug to male gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3C6411 MCX plug to SMA male cable assembly operates to 6 GHz. The right angle MCX 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: [MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax PE3C6411](#)



MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax

RF Cable Assemblies Technical Data Sheet

PE3C6411

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
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]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.075	0.15	0.225	0.346	0.601	dB/ft
	0.25	0.49	0.74	1.14	1.97	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.04 lbs [18.14 g]

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]

One Time Minimum Bend Radius 0.5 in [12.7 mm]
 Repeated Minimum Bend Radius 0.787 in [19.99 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax PE3C6411](#)



MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax

RF Cable Assemblies Technical Data Sheet

PE3C6411

Connectors

Description	Connector 1	Connector 2
Type	MCX Plug Right Angle	SMA Male
Specification	MIL-C-39012	
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	ASTM-B488
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold
Body Plating Specification	10 µin minimum	ASTM-B488
Coupling Nut Material and Plating		Steel
Torque		7 in-lbs [0.79 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax PE3C6411](#)



MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax

RF Cable Assemblies Technical Data Sheet

PE3C6411

How to Order

Part Number Configuration:

PE3C6411

- **xx**

uu

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

Example: PE3C6411-12 = 12 inches long cable
PE3C6411-100cm = 100 cm long cable

MCX Plug Right Angle to SMA Male Cable 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: [MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax PE3C6411](#)

URL: <https://www.pasternack.com/mcx-plug-right-angle-to-sma-male-cable-using-pe-sr405flj-pe3c6411-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.

PE3C6411 CAD Drawing

MCX Plug Right Angle to SMA Male Cable Using PE-SR405FLJ Coax

