



MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FL Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

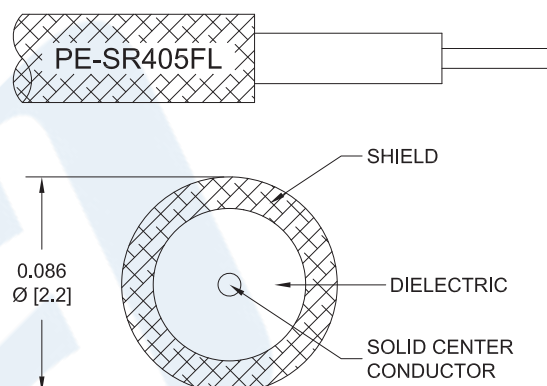
PE3W04654/HS

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: MMCX Plug Right Angle
- Cable Type: PE-SR405FL

Features

- Max Frequency 6 GHz
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04654/HS MMCX plug right angle to MMCX plug right angle cable using PE-SR405FL 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-SR405FL coax. The PE3W04654/HS MMCX plug to MMCX plug cable assembly operates to 6 GHz. The right angle MMCX interfaces on the PE-SR405FL 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: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FL Coax with HeatShrink PE3W04654/HS](#)



MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FL Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W04654/HS

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Velocity of Propagation		69.5		%
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.)	0.112	0.15	0.225	0.346	0.601	dB/ft
	0.37	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 per connector.

Mechanical Specifications

Cable Assembly

Weight 0.021 lbs [9.53 g]

Cable

Cable Type PE-SR405FL
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 Copper, Tin

Repeated Minimum Bend Radius 0.78 in [19.81 mm]

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 Right Angle Cable Using PE-SR405FL Coax with HeatShrink PE3W04654/HS](#)



MMCX Plug Right Angle to MMCX Plug Right Angle
Cable Using PE-SR405FL Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W04654/HS

Connectors

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

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: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FL Coax with HeatShrink PE3W04654/HS](#)



MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FL Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W04654/HS

How to Order

Part Number Configuration:

PE3W04654/HS

- **xx**

uu

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

Example: PE3W04654/HS-12 = 12 inches long cable
PE3W04654/HS-100cm = 100 cm long cable

MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FL Coax with HeatShrink 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.

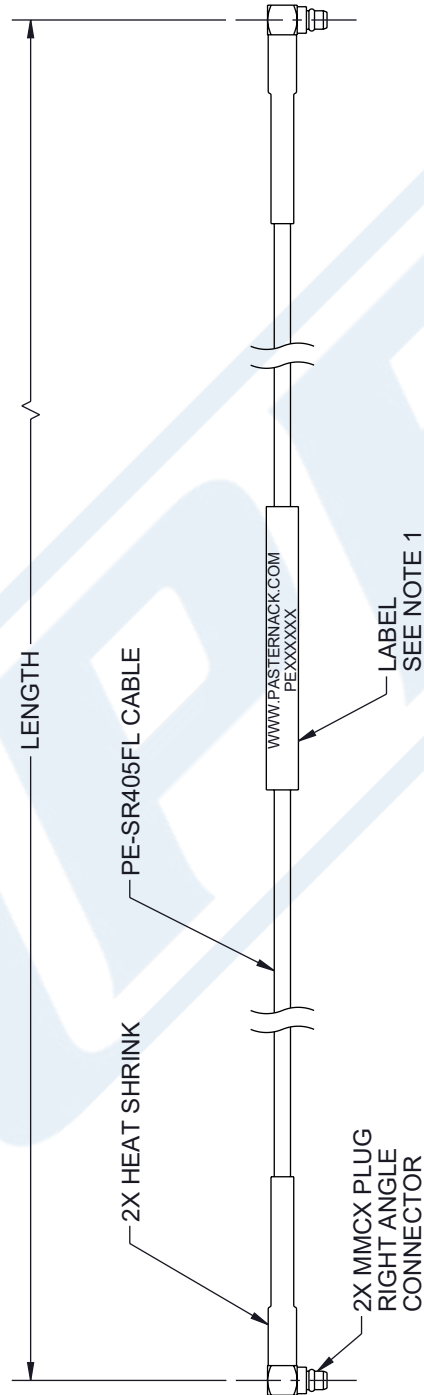
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-SR405FL Coax with HeatShrink PE3W04654/HS](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-mmcx-plug-cable-using-pe-sr405fl-with-heatshrink-pe3w04654-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.

PE3W04654/HS CAD Drawing

Using PE-SR405FL Coax with HeatShrink



- 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.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS, DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	12/19/2022	HBAKKE	AGANWANI

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: X ± .02 [.5] FRACTIONS XX ± .02 [.5] 1/32 XXX ± .005 [.13] ANGLES ± 1°					
CABLE LENGTH TOLERANCES: 					