

MCX Plug to 3.5mm Male Cable Using RG405 Coax

RF Cable Assemblies Technical Data Sheet

PE3W10874

Configuration

- Connector 1: MCX Plug
- Connector 2: 3.5mm Male
- Cable Type: RG405

Features

- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10874 MCX plug to 3.5mm male cable using RG405 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack MCX to 3.5mm cable assembly has a plug to male gender configuration with 50 ohm semi-rigid RG405 coax.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		69.5		%
RF Shielding	-110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

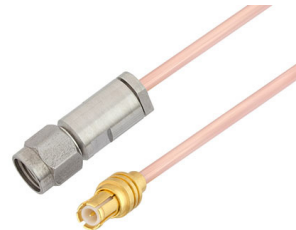
Cable Assembly

Weight 0.03 lbs [13.61 g]

Cable

Cable Type RG405
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug to 3.5mm Male Cable Using RG405 Coax PE3W10874](#)



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Number of Shields	1
Outer Conductor Material and Plating	Copper
Repeated Minimum Bend Radius	0.05 in [1.27 mm]

Connectors

Description	Connector 1	Connector 2
Type	MCX Plug	3.5mm Male
Specification	MIL-C-39012	
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	30 µin minimum	50 µin minimum
Dielectric Type	PTFE	PCTFE
Body Material and Plating	Brass, Gold over Nickel	Passivated Stainless Steel
Body Plating Specification	10 µin minimum	SAE-AMS-2700
Coupling Nut Material and Plating		Passivated Stainless Steel
Coupling Nut Plating Specification		SAE-AMS-2700
Hex Size		5/16 inch
Torque		8 in-lbs [0.9 Nm]

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W10874

- **xx**

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

Example: PE3W10874-12 = 12 inches long cable
PE3W10874-100cm = 100 cm long cable

MCX Plug to 3.5mm Male Cable Using RG405 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 to 3.5mm Male Cable Using RG405 Coax PE3W10874](https://www.pasternack.com/mcx-plug-to-3.5mm-male-cable-using-rg405-pe3w10874-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.

PE3W10874 CAD Drawing
MCX Plug to 3.5mm Male Cable Using RG405 Coax

