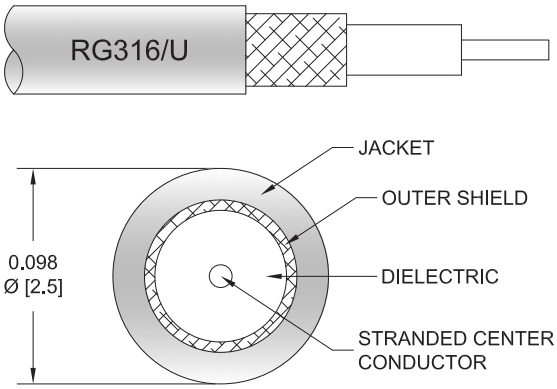
MCX Plug to MCX Jack using RG316 Coax Cable



PE3C9845

Configuration

- Connector 1: MCX Plug
- Connector 2: MCX Jack
- Cable Type: RG316



Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- VSWR of 1.4:1

Applications

- General Purpose
- Laboratory Use
- Military
- Aerospace
- Wireless Communications
- General Purpose Test

Description

Pasternack's PE3C9845 MCX plug to MCX jack cable using RG316 is part of our full line of RF components available for same-day shipping. This Pasternack MCX to MCX cable assembly has a plug to jack gender configuration with 50 ohm RG316. The PE3C9845 MCX plug to MCX jack cable assembly operates to 3 GHz.

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
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.11	0.16	0.238	0.38	0.58	dB/ft
	0.36	0.52	0.78	1.25	1.9	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

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Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.081 lbs [36.74 g]

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE

Connectors

Description	Connector 1	Connector 2
Type	MCX Plug	MCX Jack
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Bronze, Gold over Copper	Beryllium Copper, Gold over Copper
Body Material and Plating	Bronze, Copper-Tin-Zinc Alloy	Bronze, Copper-Tin-Zinc Alloy

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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PE3C9845

Typical Performance Data

How to Order

Part Number Configuration: **PE3C9845 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C9845 — Base Number

Example: PE3C9845-12 = 12 inches long cable
PE3C9845-100cm = 100 cm long cable

MCX Plug to MCX Jack using RG316 Coax Cable 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 MCX Jack using RG316 Coax Cable PE3C9845

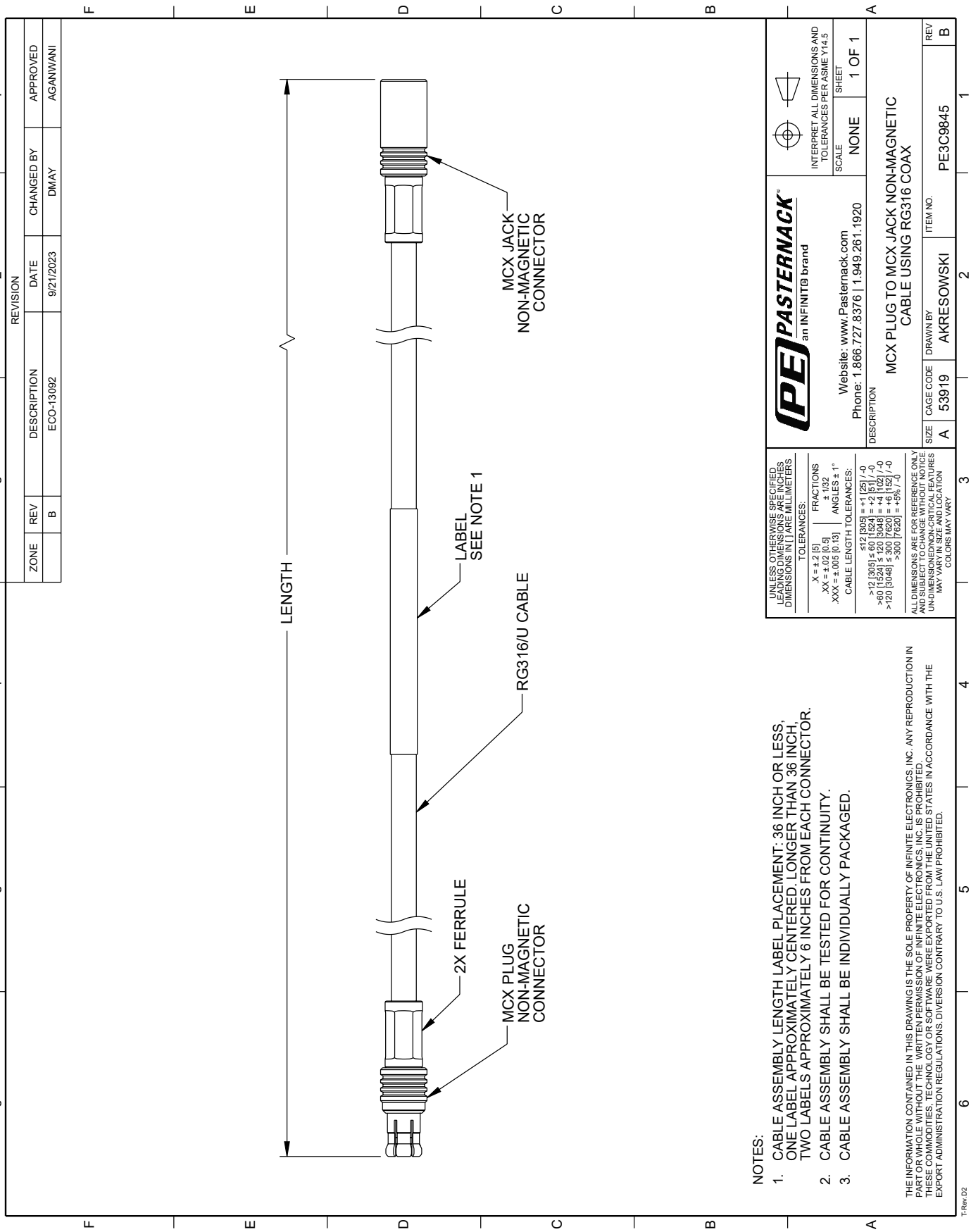
URL: https://www.pasternack.com/mcx-plug-to-mcx-jack-non-magnetic-cable-using-rg316-pe3c9845-p.aspx

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PE3C9845 CAD Drawing

MCX Plug to MCX Jack using RG316 Coax Cable



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