



MCX Plug to BNC Female Cable Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

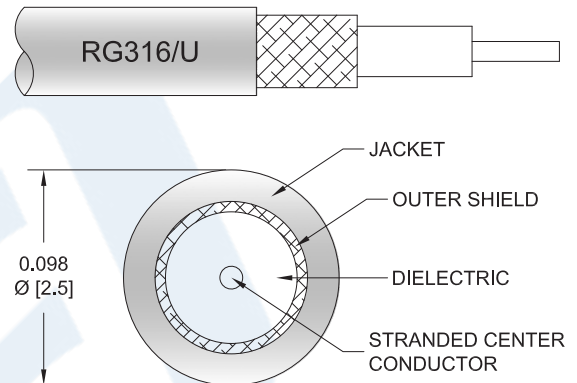
PE35552

Configuration

- Connector 1: MCX Plug
- Connector 2: BNC Female
- Cable Type: RG316

Features

- Max Frequency 1 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE35552 MCX plug to BNC female cable using RG316 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack MCX to BNC cable assembly has a plug to female gender configuration with 50 ohm flexible RG316 coax. The PE35552 MCX plug to BNC female cable assembly operates to 1 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.

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 BNC Female Cable Using RG316 Coax PE35552](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.075	0.11	0.16	0.238	0.38	dB/ft
	0.25	0.36	0.52	0.78	1.25	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.041 lbs [18.6 g]

Cable

Cable Type RG316
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.098 in [2.49 mm]

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Connectors

Description	Connector 1	Connector 2
Type	MCX Plug	BNC Female
Specification	CECC 22220	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30μ in. minimum	30μ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	100μ in. minimum

Environmental Specifications

Temperature

Operating Range

-55 to +155 deg C

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE35552

- **xx**

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

Example: PE35552-12 = 12 inches long cable
PE35552-100cm = 100 cm long cable

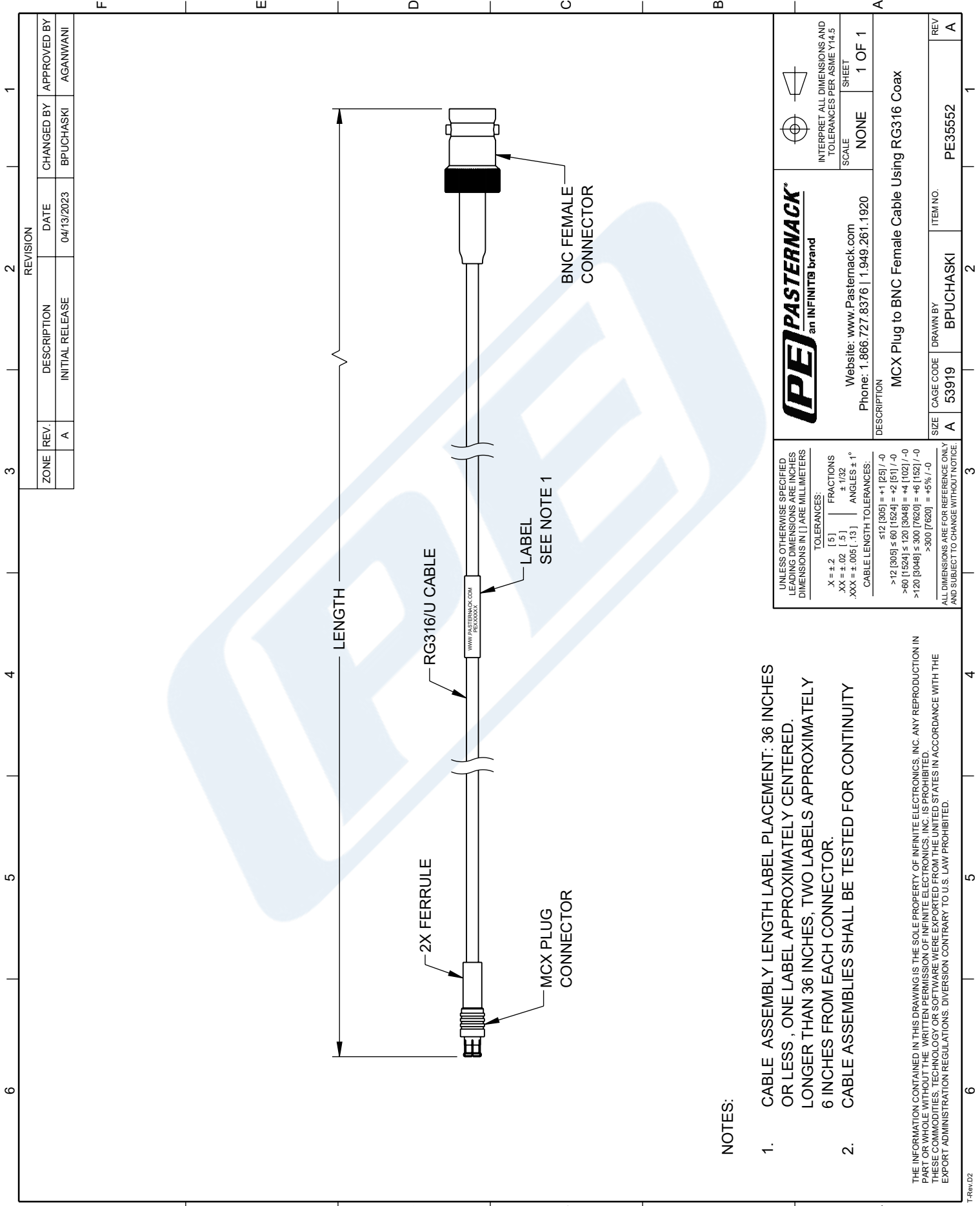
MCX Plug to BNC Female Cable Using RG316 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 BNC Female Cable Using RG316 Coax PE35552](#)

URL: <https://www.pasternack.com/mcx-plug-to-bnc-female-cable-using-rg316-pe35552-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.

PE35552 CAD Drawing
MCX Plug to BNC Female Cable Using RG316 Coax



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

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Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
DESCRIPTION MCX Plug to BNC Female Cable Using RG316 Coax		SCALE	SHEET
		NONE	1 OF 1
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	BPUCHASKI	PE35552
REV	A		

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X = ±.2 [.5]	± 1/32
.XX = ±.02 [.5]	± 1/16
.XXX = ±.005 [.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤12 [305] = ±1 [25] / -0	
>12 [305] ≤ 60 [1524] = ±2 [51] / -0	
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0	
>120 [3048] ≤ 300 [7620] = ±6 [152] / -0	
>300 [7620] = ±5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	