MCX Jack to MCX Jack Cable 12 Inch Length Using RG178 Coax

RF Cable Assemblies Technical Data Sheet   PE3W00099-12

Configuration

- Connector 1: MCX Jack
- Connector 2: MCX Jack
- Cable Type: RG178

Features

- Max Frequency 3 GHz
- 69.5% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00099-12 MCX jack to MCX jack 12 inch cable using RG178 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 MCX cable assembly has a jack to jack gender configuration with 50 ohm flexible RG178 coax. The PE3W00099-12 MCX jack 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			1.5:1	
Velocity of Propagation		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	0.37	0.43	0.65	0.88	0.99	dB

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Jack to MCX Jack Cable 12 Inch Length Using RG178 Coax PE3W00099-12

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The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Diameter	0.196 in [4.98 mm]

Cable

Cable Type	RG178
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	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.393 in [9.98 mm]

Connectors

Description	Connector 1	Connector 2
Type	MCX Jack	MCX Jack
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

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 Jack to MCX Jack Cable 12 Inch Length Using RG178 Coax PE3W00099-12

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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How to Order

Part Number Configuration: **PE3W00099**   **- xx   uu**

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

Example: PE3W00099-12 = 12 inches long cable
            PE3W00099-100cm = 100 cm long cable

MCX Jack to MCX Jack Cable 12 Inch Length Using RG178 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 Jack to MCX Jack Cable 12 Inch Length Using RG178 Coax PE3W00099-12

URL: https://www.pasternack.com/mcx-jack-mcx-jack-rg178bu-cable-assembly-pe3w00099-12-p.aspx

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PE3W00099-12 CAD Drawing
MCX Jack to MCX Jack Cable 12 Inch Length Using RG178 Coax

CONTACT

MCX JACK

RG178B/U

LENGTH MEASURED FROM
CONTACT TO CONTACT

MCX JACK

CONTACT

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/30/19	S.ELLIS

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

	FRACTIONS
.X=± .2 [5.08]	± 1/32
.XX=± .01 [.25]	ANGLES ± 1°
.XXX=± .005 [.13]	

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

PE | PASTERNACK
an INFINITE brand

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SIZE	CAGE	DRAWN BY	PART NUMBER	
A	53919	K.DANG	PE3W00099	

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SHEET 1 OF 1

SCALE N/A

REV A

T-Rev B