

MCX Plug to MCX Plug Right Angle using RG316 Coax Cable 48 Inches

LCCA9843-48



Configuration

- Connector 1: MCX Plug
- Connector 2: MCX Plug Right Angle
- Cable Type: RG316

Features

- VSWR of 1.4:1

Applications

- Military
- Aerospace
- Wireless Communications
- General Purpose Test

Description

L-com's LCCA9843-48 is a MCX plug to MCX plug right angle using RG316 coax cable 48 inches and ships same-day. Our L-com MCX to MCX cable assembly has a plug to plug gender configuration with RG316 series coax and operates to 3 GHz. This right angle MCX cable interface on the RG316 allows for easier connections in tight spaces.

Custom versions of this MCX plug to MCX plug cable, along with the rest of L-com's other RF assemblies, can also be built and shipped same day. Other available RF cable assembly value added services from L-com 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. Contact a sales representative for testing or custom RF cable quotes. Part number LCCA9843-48 L-com MCX Plug to MCX Plug Right Angle using RG316 Coax Cable 48 Inches data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

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.)	0.74	0.94	1.26	1.82	2.62	dB

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

Length*	48 in [121.92 cm]
Weight	0.052 lbs [23.59 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 Plug Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Bronze, Gold over Copper	Bronze, Gold over Copper
Body Material and Plating	Bronze, Copper-Tin-Zinc Alloy	Bronze, Copper-Tin-Zinc Alloy

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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LCCA9843-48



How to Order

Part Number Configuration:

LCCA9843

- xx

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

Example: LCCA9843-12 = 12 inches long cable
LCCA9843-100cm = 100 cm long cable

MCX Plug to MCX Plug Right Angle using RG316 Coax Cable 48 Inches from L-com has same day shipment for domestic and International orders. L-com is a leading manufacturer of wired and wireless connectivity products and committed to in-stock availability and same day shipping. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within 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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document contained within 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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing



1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13092	9/21/2023	DMAY	AGANWANI

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS		 	
TOLERANCES:		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
$X \pm .2$ [5]	FRACTIONS $\pm 1/32$	SCALE	SHEET
$XX \pm .02$ [0.5]	ANGLES $\pm 1^\circ$		
CABLE LENGTH TOLERANCES:		NONE	1 OF 1
$XXX \pm .005$ [0.13]			
DESCRIPTION			
MCX PLUG TO MCX PLUG RIGHT ANGLE NON-MAGNETIC CABLE USING RG316 COAX			
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UN-IDENTIFIED DIMENSIONS AND TOLERANCES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY			
A 43321		ITEM NO.	REV
DRAWN BY			B
AKRESOWSKI			
LCCA9843			