

## MCX Jack to MCX Jack using RG316 Coax Cable 48 Inches



### LCCA9842-48

#### Configuration

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

#### Features

- VSWR of 1.4:1

#### Applications

- Military
- Aerospace
- Wireless Communications
- General Purpose Test

#### Description

L-com's LCCA9842-48 is a MCX jack to MCX jack using RG316 coax cable 48 inches and ships same-day. Our L-com MCX to MCX cable assembly has a jack to jack gender configuration with RG316 series coax and operates to 3 GHz.

Custom versions of this MCX jack to MCX jack 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 LCCA9842-48 L-com MCX Jack to MCX Jack 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.)	0.64	0.84	1.16	1.72	2.52	dB

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector

#### Mechanical Specifications

##### Cable Assembly

Length\* 48 in [121.92 cm]

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## LCCA9842-48

Weight	0.22 lbs [99.79 g]
<b>Cable</b>	
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 Jack	MCX Jack
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold over Copper	Beryllium Copper, 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.

MCX Jack to MCX Jack using RG316 Coax Cable 48 Inches



## LCCA9842-48

### How to Order

Part Number Configuration:

**LCCA9842**

**- xx**

**uu**

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

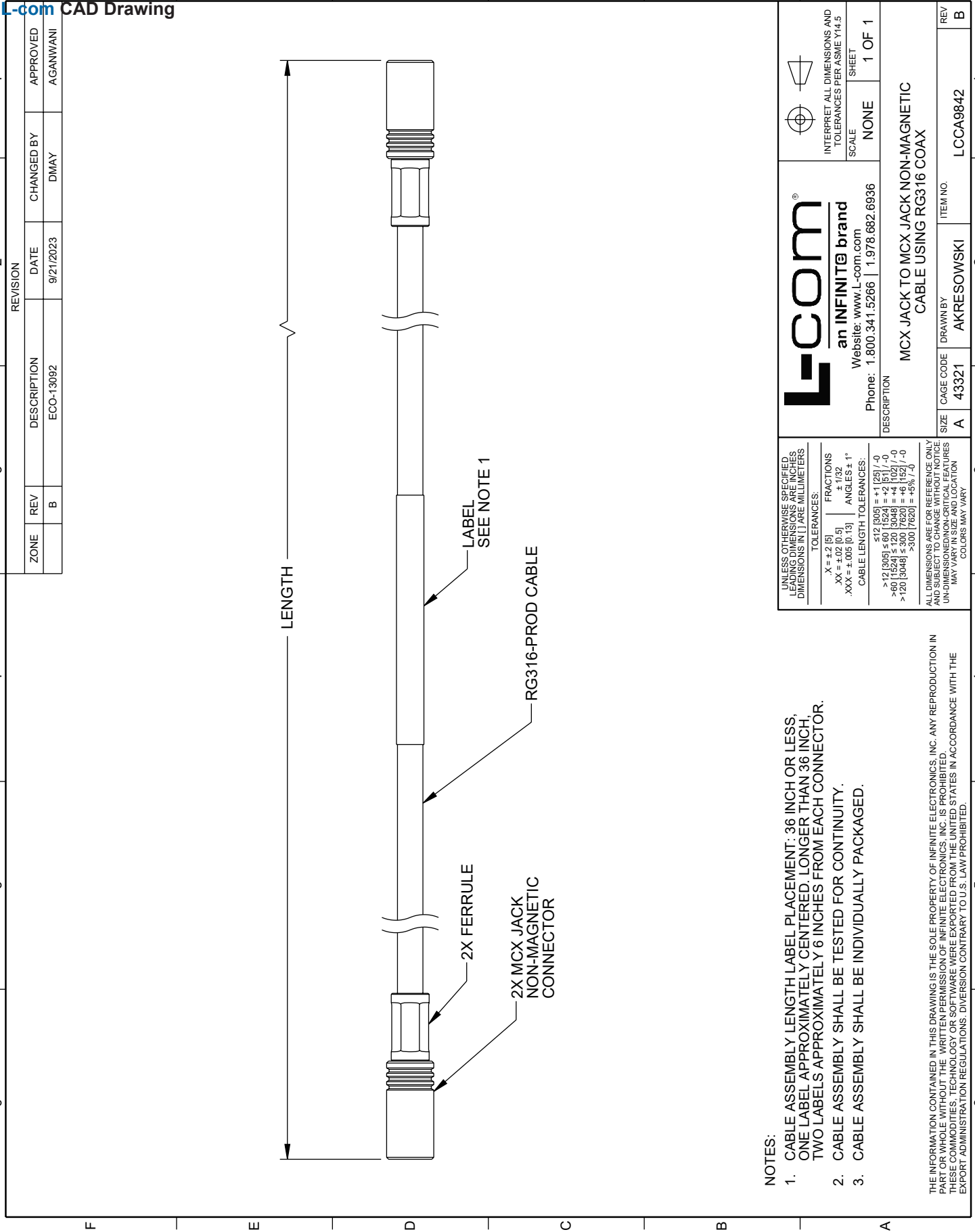
Example: LCCA9842-12 = 12 inches long cable  
LCCA9842-100cm = 100 cm long cable

MCX Jack to MCX Jack 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.

MCX Jack to MCX Jack using RG316 Coax Cable 48 Inches



L-com CAD Drawing



NOTES:

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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<div>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.</div>		<div>L-com® an INFINIT@ brand Website: <a href="http://www.L-com.com">www.L-com.com</a> Phone: 1.800.341.5266   1.978.682.6936</div>		<div></div> <div>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</div>	
TOLERANCES:		FRACTIONS		SCALE	
.X = ±.2 [5]		± 1/32		NONE	
.XX = ±.02 [0.5]		ANGLES ± 1°		SHEET	
.XXX = ±.005 [0.13]		CABLE LENGTH TOLERANCES:		1 OF 1	
		<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		UN-DIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION		REV	
COLORS MAY VARY		CAGE CODE		LCCA9842	
SIZE		A 43321		B	
DRAWN BY		AKRESOWSKI			
ITEM NO.					
DESCRIPTION		MCX JACK TO MCX JACK NON-MAGNETIC CABLE USING RG316 COAX			