MMCX Plug Right Angle to MMCX Plug Right Angle using RG178 Coax Cable (Beryllium Copper Contact) in 48 Inches

LCCA9838-48

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: MMCX Plug Right Angle
- Cable Type: RG178

Features

- VSWR of 1.4:1

Applications

- Military
- Aerospace
- Wireless Communications
- General Purpose Test

Description

L-com's LCCA9838-48 is a MMCX plug right angle to MMCX plug right angle using RG178 coax cable (beryllium copper contact) in 48 inches and ships same-day. Our L-com MMCX to MMCX cable assembly has a plug to plug gender configuration with RG178 series coax and operates to 3 GHz. This right angle MMCX cable interface on the RG178 allows for easier connections in tight spaces.

Custom versions of this MMCX plug to MMCX 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 LCCA9838-48 L-com MMCX Plug Right Angle to MMCX Plug Right Angle using RG178 Coax Cable (Beryllium Copper Contact) in 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		70		%
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.)	0.92	1.2	1.6	2	3.32	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	0.075 lbs [34.02 g]

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

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	MMCX Plug Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold over Copper	Beryllium Copper, Gold over Copper
Body Material and Plating	Beryllium Copper, Copper-Tin-Zinc Alloy	Beryllium Copper, 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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How to Order

Part Number Configuration: **LCCA9838 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- LCCA9838 — Base Number

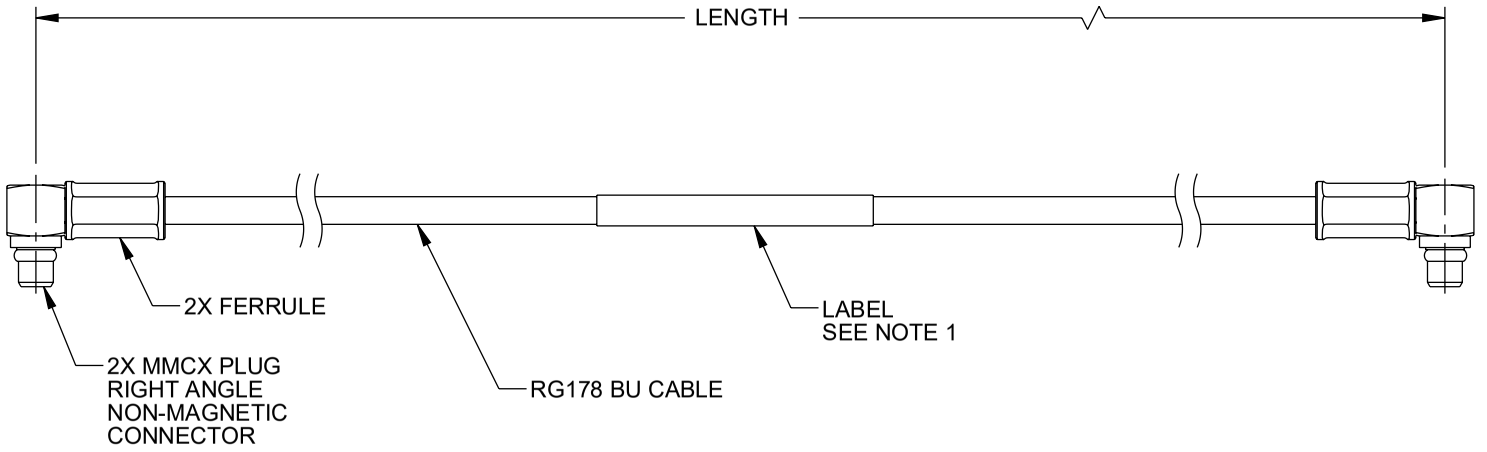
Example: LCCA9838-12 = 12 inches long cable
LCCA9838-100cm = 100 cm long cable

MMCX Plug Right Angle to MMCX Plug Right Angle using RG178 Coax Cable (Beryllium Copper Contact) in 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.

MMCX Plug Right Angle to MMCX Plug Right Angle using RG178 Coax Cable (Beryllium Copper Contact) in 48 Inches

L-com CAD Drawing

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



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.

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

TOLERANCES:

.X = ±.2 [5]	FRACTIONS
.XX = ±.02 [0.5]	± 1/32
.XXX = ±.005 [0.13]	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.
UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
MMCX PLUG RIGHT ANGLE TO MMCX PLUG RIGHT ANGLE NON-MAGNETIC CABLE USING RG178 COAX (BERYLLIUM COPPER CONTACT)

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	AKRESOWSKI	LCCA9838	B

T-Rev.D3