



LCCA30078-FT1

Configuration

- · Connector 1: N Male
- Connector 2: N Male Right Angle
- Cable Type: LC141TB

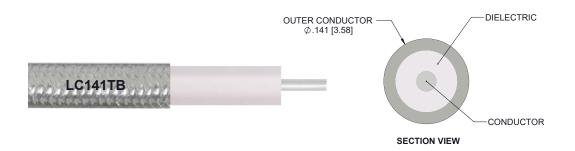
Features

- Max Frequency 11 GHz
- Shielding Effectivity > 100dB
- PTFE Dielectric with 69.9% VoP

Applications

- General Purpose
- · Laboratory Use

- Hand Formable
- Tin Filled Copper Braid Outer Conductor
- · System Interconnect



Description

L-com's LCCA30078-FT1 is a N male to N male right angle cable assembly using LC141TB coax, 1 FT and ships same-day. The LC141TB coax of this N cable uses the PTFE dielectric with a VoP of 69.5%. These formable RF cable assemblies are a great alternative to expensive semi-rigid assemblies because they can be hand formed to fit specific designs. Our L-com N to N cable assembly has a male to male gender configuration with formable LC141TB series coax and operates to 11 GHz. The tinned copper braid outer conductor is easily formed by hand with an overall diameter of 0.141 inches and excellent shielding effectiveness greater than 110dB. This right angle N cable interface on the LC141TB coax allows for easier connections in tight spaces.

Custom versions of this N male to N male 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 LCCA30078-FT1 L-com N Male to N Male Right Angle Cable Assembly using LC141TB Coax, 1 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.





LCCA30078-FT1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]
DC Resistance Inner Cond	ductor	7.8 [25.59]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Con	ductor	5.5 [18.04]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	11	GHz
Insertion Loss (Max.)	0.28	0.32	0.39	0.49	0.68	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss is estimated as 0.1 dB per straight connector and 0.2 dB per right angle connector.

0.625 in [15.88 mm]

Mechanical Specifications

Repeated Minimum Bend Radius

Cable Assembly

 Length
 12 in [304.8 mm]

 Diameter
 0.025 in [0.64 mm]

Cable

Cable Type
Impedance
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Outer Conductor Material and Plating
Outer Conductor Diameter

LC141TB
50 Ohms
Stranded
Copper, Silver
PTFE
Outer Copper, Silver
PTFE
Outer Conductor Material and Plating
Tinned Copper Braid
Outer Conductor Diameter

0.141 in [3.58 mm]





LCCA30078-FT1

Connectors

escription	Connector 1	Connector 2	
e	N Male	N Male Right Angle	
edance	50 Ohms	50 Ohms	
ntact Material and Plating	Brass, Gold over Nickel	Brass, Gold over Nickel	
lectric Type	PTFE	PTFE	
ly Material and Plating	Brass, Nickel	Brass, Nickel	
upling Nut Material and Plating	Brass, Nickel	Brass, Nickel	
upling Nut Material and Plating	Brass, Nickel	Brass, Nich	

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

• Values at 25°C, sea level.





LCCA30078-FT1

How to Order



Example: LCCA30078-12 = 12 inches long cable

LCCA30078-100cm = 100 cm long cable

N Male to N Male Right Angle Cable Assembly using LC141TB Coax, 1 FT 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 impliment 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.ontained 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 impliment 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

