

GLOBAL CONNECTIVITY SOLUTIONS

2

Low Loss N Female to 7/16 DIN Male Cable Assembly using LMR-600 Coax, 5 FT with Times Microwave Components , LF Solder

LCCA30336-FT5

Configuration

- Connector 1: N Female
- Connector 2: 7/16 DIN Male
- Cable Type: LMR-600

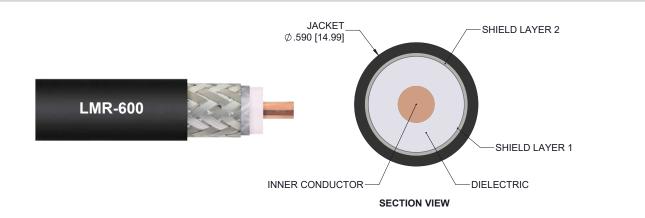
Features

- Using Times Microwave Components
- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 87% Phase Velocity

Applications

- General Purpose
- · Laboratory Use
- Antenna Installations

- PE Jacket
- Low Insertion Loss
- · Bend Radius of 6 Inches
- Land Mobile Radio & Other Communication Systems
- Cellular & Wi-Fi Systems



Description

L-com's LCCA30336-FT5 is a low loss N female to 7/16 DIN male cable assembly using LMR-600 coax, 5 FT with Times Microwave components , LF solder and ships same-day. The LMR-600 coax of this N cable uses the PE (F) dielectric with a VoP of 87%, resulting in very low insertion loss compared to solid dielectrics. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com N to 7/16 DIN cable assembly has a female to male gender configuration with flexible LMR-600 series coax and operates to 5.8 GHz. The double shield of this N cable is layered by tinned copper braid over aluminum tape providing shielding effectiveness greater than 90dB. *LMR™ is a trademark of Times Microwave Systems.

Custom versions of this N female 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 LCCA30336-FT5 L-com Low Loss N Female to 7/16 DIN Male Cable Assembly using LMR-600 Coax, 5 FT with Times Microwave Components , LF Solder data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.



Low Loss N Female to 7/16 DIN Male Cable Assembly using LMR-600 Coax, 5 FT with Times Microwave Components , LF Solder

LCCA30336-FT5

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Velocity of Propagation		87		%
RF Shielding	90			dB
Group Delay		1.17 [3.84]		ns/ft [ns/m]
Capacitance		23.4 [76.77]		pF/ft [pF/m]
Inductance		0.058 [0.19]		uH/ft [uH/m]
DC Resistance Inner Conductor		0.53 [1.74]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		1.2 [3.94]		Ohms/1000ft [Ohms/Km]
Jacket Spark			8,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units	
Frequency	0.25	0.5	1	2.5	5.8	GHz	
Insertion Loss (Typ.)	0.26	0.28	0.33	0.42	0.56	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 includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly Length Diameter Weight	60 in [152.4 cm] 1.25 in [31.75 mm] 0.62 lbs [281.23 g]
Cable Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2	LMR-600 50 Ohms Solid Copper Clad Aluminum PE (F) 2 Aluminum Tape Tinned Copper Braid





GLOBAL CONNECTIVITY SOLUTIONS

Low Loss N Female to 7/16 DIN Male Cable Assembly using LMR-600 Coax, 5 FT with Times Microwave Components , LF Solder

LCCA30336-FT5



One Time Minimum Bend Radius Repeated Minimum Bend Radius Bending Moment Flat Plate Crush Tensile Strength PE, Black 0.59 in [14.99 mm]

1.5 in [38.1 mm] 6 in [152.4 mm] 2.75 lbs-ft [3.73 N-m] 60 lbs/in [1.07 Kg/mm] 350 lbs [158.76 Kg]

Connectors

Description	Connector 1	Connector 2
Туре	N Female	7/16 DIN Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Spring Bronze, Gold	Copper, Silver
Contact Plating Specification		196µ in. minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Outer Conductor Plating Specification		78µin. minimum
Body Material and Plating	Copper, Tri-Metal	Brass, Tri-Metal
Body Plating Specification		78µ in. minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		196µ in. minimum
Hex Size	16 mm	1 1/4 in
Torque		18.417 ft-Ibs 24.97 Nm

Environmental Specifications

Temperature Operating Range Storage Range

-40 to +85 deg C -70 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:





Low Loss N Female to 7/16 DIN Male Cable Assembly using LMR-600 Coax, 5 FT with Times Microwave Components , LF Solder

which includes antennas, amplifiers, passive, and active components.

LCCA30336-FT5

How to Order

Example:

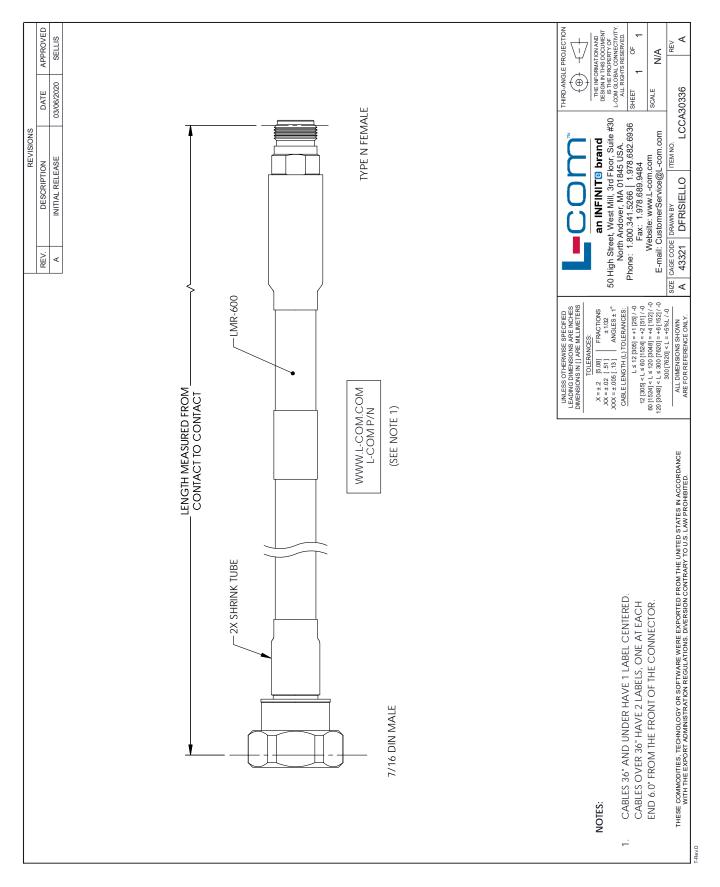
Part Number Configuration: LCCA30336 - XX uu Unit of Measure: cm = Centimeters <blank> = Inches Length **Base Number** LCCA30336-12 = 12 inches long cable LCCA30336-100cm = 100 cm long cable

Low Loss N Female to 7/16 DIN Male Cable Assembly using LMR-600 Coax, 5 FT with Times Microwave Components , LF Solder 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

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.

Low Loss N Female to 7/16 DIN Male Cable Assembly using LMR-600 Coax, 5 FT with Times Microwave Components , LF Solder

L-com CAD Drawing



LCCA30336-FT5 REV 1.0 | © 2019 Infinite Electronics, Inc. L-com is a registered trademark of Infinite Electronics, Inc.