Low Loss SMA Male to SMA Female Bulkhead Cable Assembly using 100 Series Coax, 3 FT



LCCA30372-FT3

Configuration

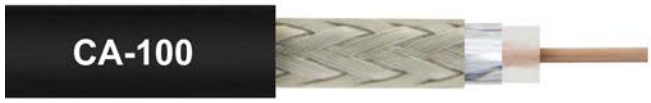
- Connector 1: SMA Male
- Connector 2: SMA Female Bulkhead
- Cable Type: CA-100

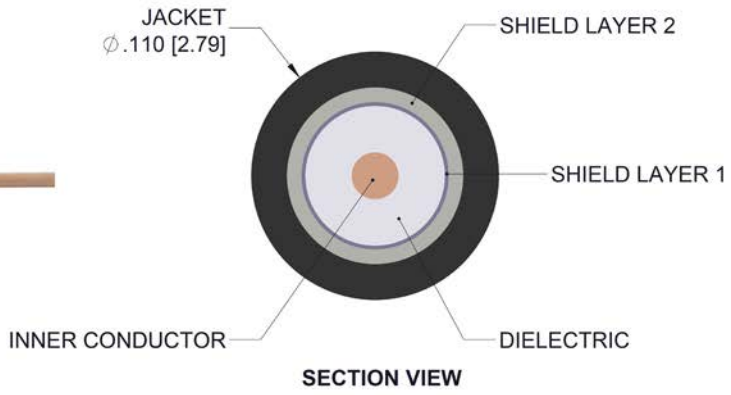
Features

- LMR-100 Equivalent
- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Low Insertion Loss
- Double Shielded
- PVC Jacket

Applications

- General Purpose
- Laboratory Use
- Antenna Installations
- Land Mobile Radio & Other Communication Systems
- Cellular & Wi-Fi Systems





SECTION VIEW

Description

L-com's LCCA30372-FT3 is a low loss SMA male to SMA female bulkhead cable assembly using 100 series coax, 3 FT and ships same-day. The CA-100 coax of this SMA cable uses the PE dielectric with a VoP of 66%, 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 SMA to SMA cable assembly has a male to female gender configuration with flexible CA-100 series coax. The double shield of this SMA cable is layered by tinned copper braid over aluminum tape providing shielding effectiveness greater than 90dB. L-com's RF cable assembly with SMA bulkhead interface enables system designers to have external connections on their product enclosures or to be used for other rack mount and panel mount applications.

Custom versions of this SMA male to SMA female 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 LCCA30372-FT3 L-com Low Loss SMA Male to SMA Female Bulkhead Cable Assembly using 100 Series Coax, 3 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
VSWR			1.5:1	
Velocity of Propagation		66		%
RF Shielding	90			dB
Capacitance		30.8 [101.05]		pF/ft [pF/m]
DC Resistance Inner Conductor		81.07 [265.98]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		9.51 [31.2]		Ohms/1000ft [Ohms/Km]

Mechanical Specifications

Cable Assembly

Length	36 in [914.4 mm]
Diameter	0.312 in [7.92 mm]
Weight	0.3 lbs [136.08 g]

Cable

Cable Type	CA-100
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.109 in [2.77 mm]
One Time Minimum Bend Radius	0.55 in [13.97 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]
Tensile Strength	15 lbs [6.8 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female Bulkhead
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Gold
Contact Plating Specification	30µ in. Minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. Minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100µ in. Minimum	
Hex Size	5/16 in	
Torque	5 in-lbs 0.57 Nm	

Environmental Specifications

Temperature

Operating Range -20 to +70 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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LCCA30372-FT3

How to Order

Part Number Configuration: **LCCA30372 - xx uu**

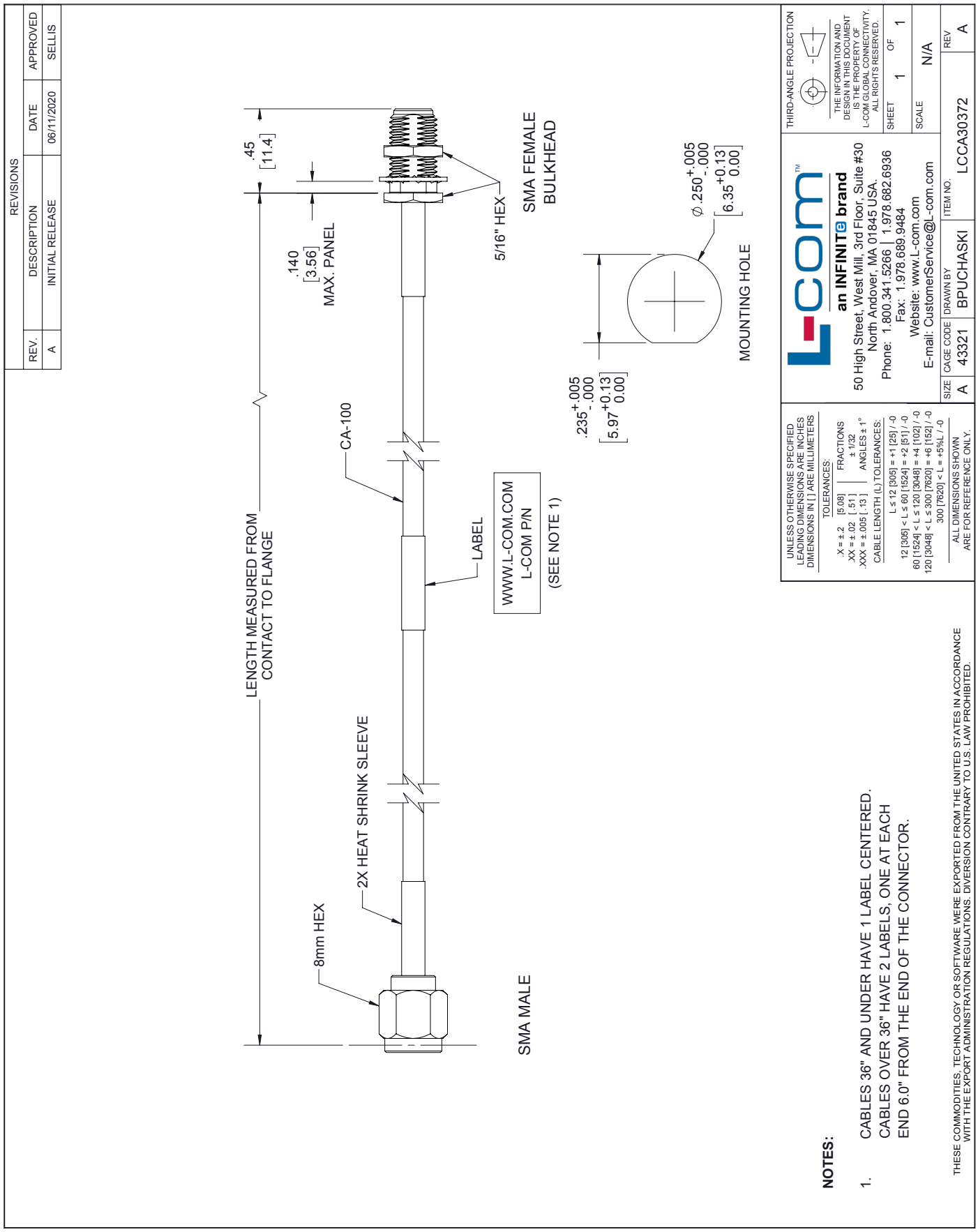
- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- LCCA30372 — Base Number

Example: LCCA30372-12 = 12 inches long cable
LCCA30372-100cm = 100 cm long cable

Low Loss SMA Male to SMA Female Bulkhead Cable Assembly using 100 Series Coax, 3 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



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