

LCCA30638-FT3

Configuration

Connector 1: BNC Female BulkheadConnector 2: N Male Right Angle

Cable Type: LC085TBJ

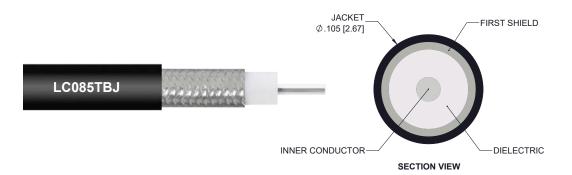
Features

- · Max Frequency 1 GHz
- Shielding Effectivity > 100dB
- PTFE Dielectric with 69.5% VoP

Applications

- · General Purpose
- · Laboratory Use

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



Description

L-com's LCCA30638-FT3 is a BNC female bulkhead to N male right angle cable assembly using LC085TBJ coax, 3 FT and ships same-day. The LC085TBJ coax of this BNC 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 BNC to N cable assembly has a female to male gender configuration with formable LC085TBJ series coax and operates to 1 GHz. The jacketed tinned copper composite braid outer conductor is easily formed by hand with an overall diameter of 0.105 inches and excellent shielding effectiveness greater than 100dB. L-com's RF cable assembly with BNC 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. This right angle N cable interface on the LC085TBJ coax allows for easier connections in tight spaces.

Custom versions of this BNC female to BNC 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 LCCA30638-FT3 L-com BNC Female Bulkhead to N Male Right Angle Cable Assembly using LC085TBJ Coax, 3 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.





LCCA30638-FT3

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.45:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conduc	tor	65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conduc	ctor	10.2 [33.46]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	500	1,000				MHz
Insertion Loss (Typ.)	0.75	0.99				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 for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length 36 in [914.4 mm]

Cable

Cable TypeLC085TBJImpedance50 OhmsInner Conductor TypeSolid

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type PTFE
Number of Shields 1

Outer Conductor Material and Plating Tinned Copper Composite Braid

Jacket MaterialFEP, BlackJacket Diameter0.105 in [2.67 mm]

One Time Minimum Bend Radius 0.5 in [12.7 mm]
Repeated Minimum Bend Radius 0.787 in [19.99 mm]



LCCA30638-FT3

Connectors

Description	Connector 1	Connector 2		
Туре	BNC Female Bulkhead	N Male Right Angle		
Impedance	50 Ohms	50 Ohms		
Contact Material and Plating	Brass, Gold	Brass, Gold		
Contact Plating Specification	30 µin minimum			
Dielectric Type	PTFE	PTFE		
Body Material and Plating	Brass, Nickel	Brass, Nickel		
Body Plating Specification	100 μin minimum			
Coupling Nut Material and Plating		Brass, Nickel		
Seal Gasket Material	Silicone			

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:





LCCA30638-FT3

How to Order



Example: LCCA30638-12 = 12 inches long cable

LCCA30638-100cm = 100 cm long cable

BNC Female Bulkhead to N Male Right Angle Cable Assembly using LC085TBJ 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 instock 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

