

GLOBAL CONNECTIVITY SOLUTIONS

BNC Female Bulkhead to N Male Right Angle Cable Assembly using LC085TB Coax, 6 FT

LCCA30572-FT6

Configuration

- Connector 1: BNC Female Bulkhead
- Connector 2: N Male Right Angle
- Cable Type: LC085TB

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
- System Interconnect



Description

L-com's LCCA30572-FT6 is a BNC female bulkhead to N male right angle cable assembly using LC085TB coax, 6 FT and ships same-day. The LC085TB 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 LC085TB series coax and operates to 1 GHz. The tin plated copper outer conductor can be easily formed by hand and has an overall diameter of 0.085 inches. 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 LC085TB 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 LCCA30572-FT6 L-com BNC Female Bulkhead to N Male Right Angle Cable Assembly using LC085TB Coax, 6 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.





BNC Female Bulkhead to N Male Right Angle Cable Assembly using LC085TB Coax, 6 FT



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.45:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conc	luctor	65.7 [215.55]	(Ohms/1000ft [Ohms/Km]
DC Resistance Outer Con	ductor	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.)	1.2	1.68				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 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	72 in [182.88 cm]
Cable	
Cable Type	LC085TB
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Copper, Tin
Outer Conductor Diameter	0.085 in [2.16 mm]
Repeated Minimum Bend Radius	0.78 in [19.81 mm]



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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:



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LCCA30572-FT6

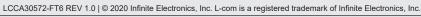
How to Order

Part Number Configuration: LCCA30572 - xx uu Unit of Measure: cm = Centimeters <blank> = Inches Length Base Number

Example: LCCA30572-12 = 12 inches long cable LCCA30572-100cm = 100 cm long cable

BNC Female Bulkhead to N Male Right Angle Cable Assembly using LC085TB Coax, 6 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 marranty regarding the suitability of 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

