

LCCA30574-FT4



Configuration

- · Connector 1: BNC Female Bulkhead
- Connector 2: N FemaleCable Type: LC085TB

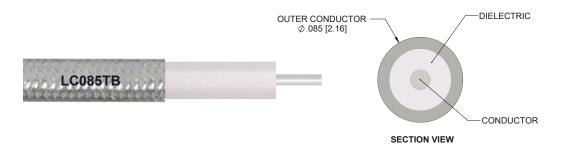
Features

- · 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 LCCA30574-FT4 is a BNC female bulkhead to N female cable assembly using LC085TB coax, 4 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 female 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.

Custom versions of this BNC female to BNC 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 LCCA30574-FT4 L-com BNC Female Bulkhead to N Female Cable Assembly using LC085TB Coax, 4 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.



LCCA30574-FT4

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 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

| Frequency 500 1,000 MHz Insertion Loss (Typ.) 0.8 1.12 dB | Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|-----------------------|-----|-------|----|----|----|-------|
| Insertion Loss (Typ.) 0.8 1.12 dB | Frequency | 500 | 1,000 | | | | MHz |
| | Insertion Loss (Typ.) | 0.8 | 1.12 | | | | 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 48 in [121.92 cm]

Cable

Cable Type LC085TB
Impedance 50 Ohms
Inner Conductor Type Solid

Inner Conductor Material and Plating Copper Clad Steel, Silver Dielectric Type PTFE

Dielectric Type
Number of Shields

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]



LCCA30574-FT4

Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|---------------------|-----------------------|
| Туре | BNC Female Bulkhead | N Female |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Phosphor Bronze, 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 | |
| Seal Gasket Material | Silicone | |

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



LCCA30574-FT4



How to Order

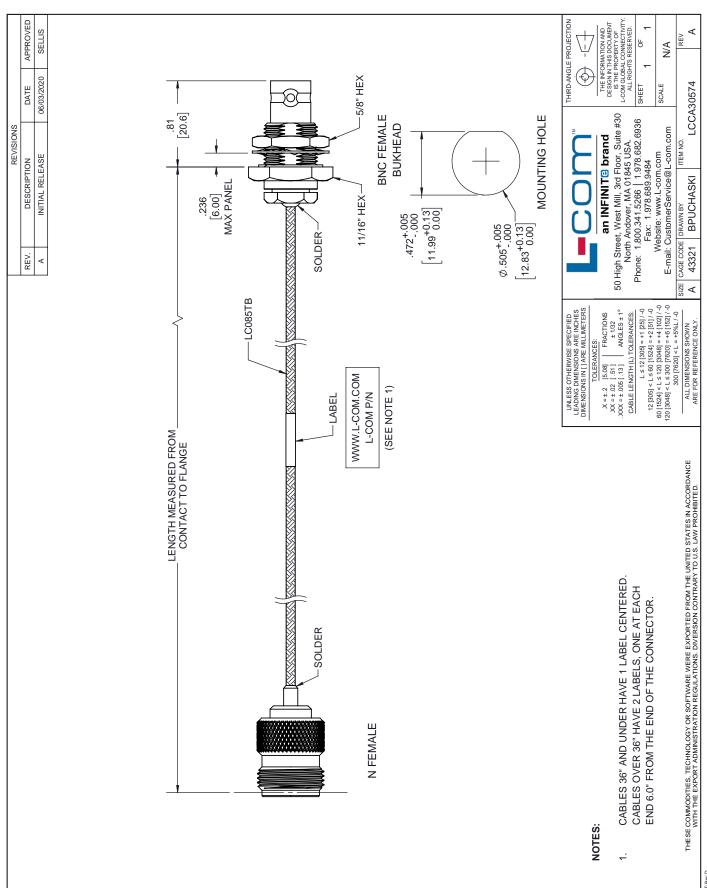


Example: LCCA30574-12 = 12 inches long cable LCCA30574-100cm = 100 cm long cable

BNC Female Bulkhead to N Female Cable Assembly using LC085TB Coax, 4 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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

infinite Electronics:

LCCA30574-FT4 LCCA31209-FT3