

# **GLOBAL CONNECTIVITY SOLUTIONS**

N Female Bulkhead to TNC Female Bulkhead Cable Assembly using RG58 Coax, 4 FT

# LCCA30694-FT4

#### Configuration

- Connector 1: N Female Bulkhead
- Connector 2: TNC Female Bulkhead
- Cable Type: RG58

#### Features

- 50 Ohm RF (Radio Frequency) Transmission
- RG58 stranded center conductor enhances flexibility
- · Same day shipping available

#### **Applications**

- RFID systems up to 1 GHz
- General Purpose Test and Measurements

- Bulkhead design is ideal for panel mount applications
- · Heat shrink strain relief for a highly durable RF cable assembly
- Wireless Infrastructure
- · GPS Timing and telematics



#### Description

1

L-com's LCCA30694-FT4 is a N female bulkhead to TNC female bulkhead cable assembly using RG58 coax, 4 FT and ships same-day. The RG58 coax of this N cable uses the PTFE dielectric with a VoP of 69.5%. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com N to TNC cable assembly has a female to female gender configuration with flexible RG58 series coax and operates to 1 GHz. The shielding of this N cable is comprised of tinned copper braid. L-com's RF cable assembly with N 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 N female to N 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 LCCA30694-FT4 L-com N Female Bulkhead to TNC Female Bulkhead Cable Assembly using RG58 Coax, 4 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

#### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units







N Female Bulkhead to TNC Female Bulkhead Cable Assembly using RG58 Coax, 4 FT



# LCCA30694-FT4

Frequency Range DC		1,000 MHz
VSWR		1.4:1
Velocity of Propagation	69.5	%
Capacitance	16.1 [52.82]	pF/ft [pF/m]

### **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units	
Frequency	50	100	200	400	1,000	MHz	
Insertion Loss (Typ.)	0.33	0.4	0.5	0.66	1.06	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 **RG58** Impedance 50 Ohms Inner Conductor Type Stranded Inner Conductor Material and Plating Copper, Silver Dielectric Type PTFE Number of Shields 1 Shield Layer 1 **Tinned Copper Braid** PVC, Black Jacket Material 0.197 in [5 mm] Jacket Diameter Repeated Minimum Bend Radius 2 in [50.8 mm]



N Female Bulkhead to TNC Female Bulkhead Cable Assembly using RG58 Coax, 4 FT



# LCCA30694-FT4

## Connectors

Description	Connector 1	Connector 2
Туре	N Female Bulkhead	TNC Female Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	Brass, Nickel
Body Material and Plating	Brass, Nickel	Brass, Nickel

### **Environmental Specifications**

Temperature Operating Range

-20 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data Notes:



N Female Bulkhead to TNC Female Bulkhead Cable Assembly using RG58 Coax, 4 FT

# LCCA30694-FT4

#### How to Order

Part Number Configuration: LCCA30694 - xx uu Unit of Measure: cm = Centimeters <br/>blank> = Inches Length Base Number

Example: LCCA30694-12 = 12 inches long cable LCCA30694-100cm = 100 cm long cable

N Female Bulkhead to TNC Female Bulkhead Cable Assembly using RG58 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 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications 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 marken 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.



THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. APPROVED THIRD-ANGLE PROJECTION SELLIS ∢ Ļ. R Ь A/A ~  $( \mathbf{b} )$ 15-09-2020 DATE SHEET SCALE LCCA30694 TNC FEMALE BULKHEAD 50 High Street, West Mill, 3rd Floor, Suite #30 North Andover, MA 01845 USA. Phone: 1.800.341.5266 | 1.978.682.6936 Fax: 1.978.689.9484 PART NUMBER REVISIONS E-mail: CustomerService@L-com.com an INFINITe brand Website: www.L-com.com INITIAL RELEASE DESCRIPTION 43321 MVEERAPPAN DRAWN BY CAGE CODE REV. 2x HEAT SHRINK TUBE, BLACK ∢ SIZE ∢ L = 12 [305] = +1 [25] / -0 12 [305] + L = 240 [304] = -2 [51] / -0 60 [1224] + L = 120 [3043] = -44 [102] / -0 120 [3048] < L = 300 [7620] = 46 [152] / -0 300 [7620] = 1 = 45% L / -0 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. ± 1/32 ANGLES ± 1° UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS  $\phi_{.500}^{.505}$ ANCES: FRACTIONS 12.83 12.70 .475 .470 12.07 11.94 CABLE LENGTH (L) TOLERANCES WWW.L-COM.COM L-COM P/N FROM FLANGE TO FLANGE RECOMMENDED PANEL CUTOUT  $X = \pm .2$  [5.08]  $XX = \pm .02$  [.51]  $XXX = \pm .005$  [.13] (SEE NOTE 1) LENGTH MEASURED -LABEL RG58C COAX CABLE + THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. φ.630 625 [16.00] 15.88] RECOMMENDED PANEL CUTOUT CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END, 1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. .536 .531 13.61 13.49 6.0" FROM THE FRONT OF THE CONNECTOR. N FEMALE BULKHEAD NOTES: Rev.D

### L-com CAD Drawing

USA & Canada (800) 341-5266 | International (978) 682-6936 | I-com.com