

# LCCA30593-FT3



#### Configuration

· Connector 1: BNC Female

Connector 2: TNC 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 LCCA30593-FT3 is a BNC female to TNC male right angle cable assembly using LC085TB coax, 3 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 TNC 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. This right angle TNC 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 LCCA30593-FT3 L-com BNC Female to TNC Male Right Angle Cable Assembly using LC085TB Coax, 3 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.





#### LCCA30593-FT3

#### **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 Conduct	or	65.7 [215.55]	(	Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conduc	tor	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 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]



## LCCA30593-FT3

#### **Connectors**

Description	Connector 1	Connector 2		
Туре	BNC Female	TNC Male Right Angle		
Impedance	50 Ohms	50 Ohms		
Contact Material and Plating	Brass, Gold	Brass, Gold over Nickel		
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** 

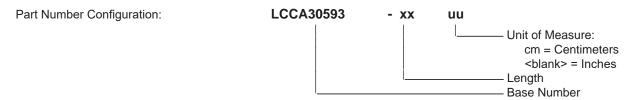
Notes:



# TO HEAD

# LCCA30593-FT3

#### **How to Order**



Example: LCCA30593-12 = 12 inches long cable

LCCA30593-100cm = 100 cm long cable

BNC Female to TNC Male Right Angle Cable Assembly using LC085TB 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**

