

# LCCA30698-FT4



## Configuration

- Connector 1: N Male Right AngleConnector 2: SMA Female Bulkhead
- Cable Type: RG58

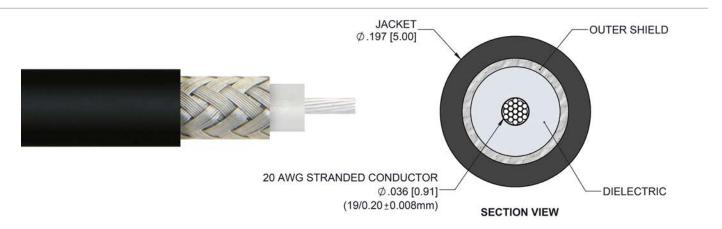
#### **Features**

- 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

- Right angle body style accommodates tight fit applications
- 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

L-com's LCCA30698-FT4 is a N male right angle to SMA 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 SMA cable assembly has a male 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 SMA 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 RG58 coax allows for easier connections in tight spaces.

Custom versions of this N male 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 LCCA30698-FT4 L-com N Male Right Angle to SMA 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



# LCCA30698-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.)	0.43	0.5	0.6	0.75	1.16	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 straight connector and 0.2 dB per right angle connector.

## **Mechanical Specifications**

**Cable Assembly** 

Length 48 in [121.92 cm]

Cable

Cable TypeRG58Impedance50 OhmsInner Conductor TypeStrandedInner Conductor Material and PlatingCopper, Silver

Dielectric Type PTFE
Number of Shields 1

Shield Layer 1 Tinned Copper Braid
Jacket Material PVC, Black
Jacket Diameter 0.197 in [5 mm]

Repeated Minimum Bend Radius 2 in [50.8 mm]



# LCCA30698-FT4



## **Connectors**

Connector 1	Connector 2		
N Male Right Angle	SMA Female Bulkhead		
50 Ohms	50 Ohms		
Phosphor Bronze, Gold	Phosphor Bronze, Gold		
PTFE	PTFE		
	Brass, Nickel		
Brass, Nickel	Brass, Nickel		
Brass, Nickel			
	N Male Right Angle 50 Ohms Phosphor Bronze, Gold PTFE  Brass, Nickel		

**Environmental Specifications** 

Temperature

Operating Range

-20 to +80 deg C

Compliance Certifications (see product page for current document)

**Plotted and Other Data** 

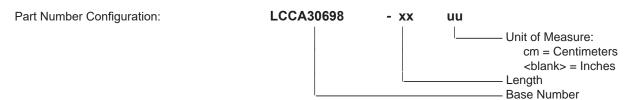
Notes:



# LCCA30698-FT4



#### **How to Order**



Example: LCCA30698-12 = 12 inches long cable LCCA30698-100cm = 100 cm long cable

N Male Right Angle to SMA 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 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**

