

N Male Right Angle to TNC Male Right Angle Cable  
Assembly using RG58 Coax, 6 FT



## LCCA30704-FT6

### Configuration

- Connector 1: N Male Right Angle
- Connector 2: TNC Male Right Angle
- Cable Type: RG58

### Features

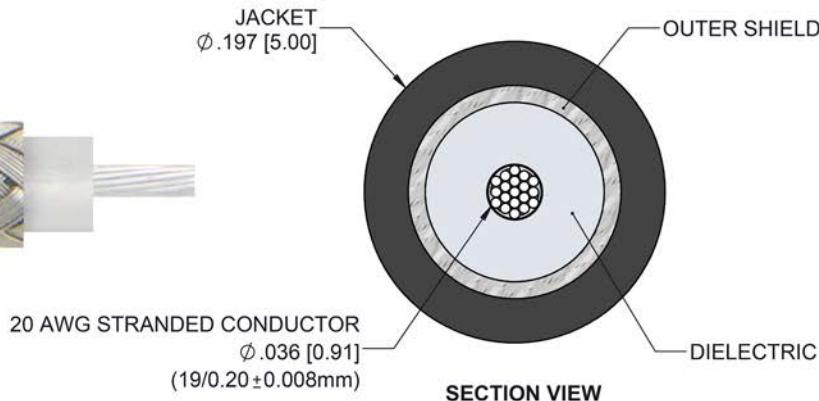
- 50 Ohm RF (Radio Frequency) Transmission
- RG58 stranded center conductor enhances flexibility
- Same day shipping available

- Right angle body style accommodates tight fit applications
- Heat shrink strain relief for a highly durable RF cable assembly

### Applications

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

- Wireless Infrastructure
- GPS Timing and telematics



### Description

L-com's LCCA30704-FT6 is a N male right angle to TNC male right angle cable assembly using RG58 coax, 6 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 male to male gender configuration with flexible RG58 series coax and operates to 1 GHz. The shielding of this N cable is comprised of tinned copper braid. This right angle N and TNC cable interface on the RG58 coax allows for easier connections in tight spaces.

Custom versions of this N male to N 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 LCCA30704-FT6 L-com N Male Right Angle to TNC Male Right Angle Cable Assembly using RG58 Coax, 6 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 1,000   | MHz   |

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|                         |                           |
|-------------------------|---------------------------|
| 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.) | 0.6 | 0.7 | 0.83 | 1.09 | 1.7   | 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 0.2 dB per right angle connector.

### Mechanical Specifications

#### Cable Assembly

Length 72 in [182.88 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 |
| Jacket Material                      | PVC, Black          |
| Jacket Diameter                      | 0.197 in [5 mm]     |

Repeated Minimum Bend Radius 2 in [50.8 mm]

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### Connectors

| Description                       | Connector 1        | Connector 2          |
|-----------------------------------|--------------------|----------------------|
| Type                              | N Male Right Angle | TNC Male Right Angle |
| Impedance                         | 50 Ohms            | 50 Ohms              |
| Contact Material and Plating      | Brass, Gold        | Brass, Gold          |
| Dielectric Type                   | PTFE               | Acetal               |
| Body Material and Plating         | Brass, Nickel      | Brass, Nickel        |
| Coupling Nut 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:

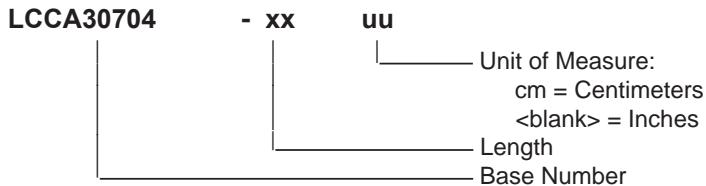
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## LCCA30704-FT6

### How to Order

Part Number Configuration:



Example: LCCA30704-12 = 12 inches long cable  
LCCA30704-100cm = 100 cm long cable

N Male Right Angle to TNC Male Right Angle Cable Assembly using RG58 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 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 implement 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 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 implement 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.

## N Male Right Angle to TNC Male Right Angle Cable Assembly using RG58 Coax, 6 FT

L-com CAD Drawing

| REVISONS |                 | REVISONS   |             | REVISONS |             |
|----------|-----------------|------------|-------------|----------|-------------|
| REV.     | DESCRIPTION     | REV.       | DESCRIPTION | REV.     | DESCRIPTION |
| A        | INITIAL RELEASE | 15-09-2020 | 15-09-2020  | APPROVED | SELLUS      |

LENGTH MEASURED  
FROM CONTACT TO CONTACT

TNC MALE RIGHT ANGLE

RG58C COAX CABLE

2X HEAT SHRINK TUBE,  
BLACK

LABEL

WWW.L-COM.COM  
L-COM P/N

(SEE NOTE 1)

N MALE RIGHT ANGLE

THREE-ANGLE PROJECTION  
-E+

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DESIGN IN THIS DOCUMENT  
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1 OF 1

SCALE N/A

**NOTES:**

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.
- CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END.
- 6.0" FROM THE FRONT OF THE CONNECTOR.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED,  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

|                  |       |                      |
|------------------|-------|----------------------|
| X = $\pm 2$      | [.08] | FRACTIONS            |
| XXX = $\pm 0.02$ | [.13] | ANGLES $\pm 1^\circ$ |
|                  |       | $\pm 1/32$           |

CABLE LENGTH(L) TOLERANCES:

|                                  |                      |                    |
|----------------------------------|----------------------|--------------------|
| $L \leq 12$ [305]                | = $\pm 1$ [28] / -0  |                    |
| $12 [305] < L \leq 60$ [1524]    | = $\pm 2$ [51] / -0  |                    |
| $60 [1524] < L \leq 120$ [3048]  | = $\pm 4$ [102] / -0 |                    |
| $120 [3048] < L \leq 300$ [7620] | = $\pm 6$ [152] / -0 |                    |
| $300 [7620] < L$                 |                      | = $\pm 5\% L$ / -0 |

SIZE A  
CAGE CODE 43321  
DRAWN BY MVEERAPPAN

PART NUMBER LCCA30704

REV A