

Low Loss TNC Male to TNC Male Cable Assembly using LMR-195-UF Coax With Times Microwave Components with HeatShrink



LCCA9906

Configuration

Connector 1: TNC Male
Connector 2: TNC Male
Cable Type: LMR-195-UF
Coax Flex Type: Flexible

Description

L-com's LCCA9906 is a low loss TNC male to TNC male cable assembly using LMR-195-UF coax with Times Microwave components with heatshrink and ships same-day. The LMR-195-UF coax of this TNC cable uses the foam PE dielectric with a VoP of 74%, resulting in very low insertion loss compared to solid dielectrics. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TNC to TNC cable assembly has a male to male gender configuration with flexible LMR-195-UF series coax. The double shield of this TNC cable is layered by tinned copper braid over aluminum tape providing shielding effectiveness greater than 90dB.

Custom versions of this TNC male to TNC 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 LCCA9906 L-com Low Loss TNC Male to TNC Male Cable Assembly using LMR-195-UF Coax With Times Microwave Components with HeatShrink data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|--------------|---------|-----------------------|
| Velocity of Propagation | | 74 | | % |
| RF Shielding | 90 | | | dB |
| Group Delay | | 1.27 [4.17] | | ns/ft [ns/m] |
| Capacitance | | 25.4 [83.33] | | pF/ft [pF/m] |
| Inductance | | 0.064 [0.21] | | uH/ft [uH/m] |
| DC Resistance Inner Conductor | | 9.5 [31.17] | | Ohms/1000ft [Ohms/Km] |
| DC Resistance Outer Conductor | | 4.9 [16.08] | | Ohms/1000ft [Ohms/Km] |
| Dielectric Withstanding Voltage (DC) | | | 1,000 | Vdc |
| Jacket Spark | | | 3,000 | Vrms |
| Input Power (Peak) | | | 2.5 | KWatts |

Mechanical Specifications

Cable Assembly

 Width/Diameter
 0.5 in [12.7 mm]

 Weight
 0.103 lbs [46.72 g]

Cable

Cable Type LMR-195-UF Impedance 50 Ohms



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Inner Conductor Type

Inner Conductor Material and Plating

Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Jacket Material

Jacket Diameter One Time Minimum Bend Radius Repeated Minimum Bend Radius

Bending Moment

Stranded Copper Foam PE

Aluminum Tape Tinned Copper Braid

TPE

0.195 in [4.95 mm] 0.5 in [12.7 mm] 2 in [50.8 mm] 0.1 lbs-ft [0.14 N-m]

Connectors

| Description | Connector 1 | Connector 2 | |
|------------------------------------|------------------------|------------------------|--|
| Туре | TNC Male | TNC Male | |
| Impedance | 50 Ohms | 50 Ohms | |
| Configuration | Straight | Straight | |
| Contact Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold | |
| Contact Plating Specification | 50 μinches | 50 μinches | |
| Dielectric Type | Teflon | Teflon | |
| Body Material and Plating | Brass, Tri-Metal | Brass, Tri-Metal | |
| Body Plating Specification | 80 μinches | 80 μinches | |
| Coupling Nut Material and Plating | Brass, Tri-Metal | Brass, Tri-Metal | |
| Coupling Nut Plating Specification | 80 μinches | 80 μinches | |

Environmental Specifications

Operating Range Temperature

-40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.



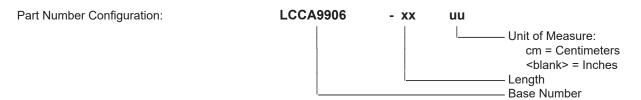
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Typical Performance Data

How to Order



Example: LCCA9906-12 = 12 inches long cable

LCCA9906-100cm = 100 cm long cable

Low Loss TNC Male to TNC Male Cable Assembly using LMR-195-UF Coax With Times Microwave Components with HeatShrink from L-com has same day shipment for domestic and International orders. 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.

URL: https://www.l-com.com/tnc-male-tnc-male-cable-assembly-lmr-lcca9906-p.aspx

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.

LCCA9906 CAD Drawing

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