Lead Free LSZH Threaded TRB Plug to 3-Lug TRB<br>Bulkhead Insulated Jack for 78 Ohm TWCH-78-2-LC, 60" Cable

LC3MSA00599-60

## Configuration

- Connector 1: TRT Plug
- Connector 2: TRB 3-Lug Jack Bulkhead
- Cable Type: TWCH-78-2-LC


## Features

- MIL-STD-1553
- ROHS Low Smoke Zero Halogen
- $-30^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$
- Non-Toxic
- 78 ohms


## Applications

- Military Contractors
- Safer Enviroments
- MIL-STD-1553
- Ventilation critical areas
- Data
- Hospitals


## Description

L-com's LC3MSA00599-60 is a lead free LSZH threaded TRB plug to 3-Lug TRB bulkhead insulated jack for 78 Ohm TWCH-78-2-LC, 60" cable and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRT to TRB 3 -Lug cable assembly has a plug to jack gender configuration with 78 Ohm flexible TWCH-78-2-LC series coax and operates to 500 MHz . L-com's RF cable assembly with TRB 3-Lug 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 TRT plug to TRT jack 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 LC3MSA00599-60 L-com Lead Free LSZH Threaded TRB Plug to 3-Lug TRB Bulkhead Insulated Jack for 78 Ohm TWCH-78-2-LC, 60 " Cable 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 |  | 500 | MHz |
| Capacitance |  | $21.2[69.55]$ | 1,000 | $\mathrm{pF} / \mathrm{ft}[\mathrm{pF} / \mathrm{m}]$ |
| Operating Voltage (AC) |  |  | Vrms |  |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Frequency | 10 | 50 | 100 | 200 | 500 | MHz |
| Insertion Loss (Typ.) | 0.31 | 0.455 | 0.575 | 0.725 | 1 | dB |

Electrical Specification Notes:

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The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

## Mechanical Specifications

| Cable Assembly <br> Length* | 60 in $[152.4 \mathrm{~cm}]$ |
| :--- | :--- |
| Weight | $0.33 \mathrm{Ibs}[149.69 \mathrm{~g}]$ |
| Cable |  |
| Cable Type | TWCH-78-2-LC |
| Impedance | 78 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Shield Layer 1 | Silver Plated Copper |
| Jacket Material | HF POF, Blue |
| One Time Minimum Bend Radius |  |
|  |  |

## Connectors

| Description | Connector 1 | Connector 2 |
| :--- | :---: | :---: |
| Type | TRT Plug | TRB 3-Lug Jack Bulkhead |
| Impedance | 78 Ohms | 78 Ohms |
| Contact Material and Plating | Bronze, Gold 30 micro inches | Bronze, Gold 30 micro inches |
| Contact Plating Specification | ASTM-B-488 | ASTM-B-488 |
| Dielectric Type | Teflon | Teflon |
| Outer Conductor Material and Plating | Phosphor Bronze, Gold | Phosphor Bronze, Gold |
| Outer Conductor Plating Specification | 30 micro inches | 30 micro inches |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | ASTM-B-733 | ASTM-B-733 |

## Environmental Specifications

## Temperature

Operating Range -30 to +80 deg C

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

## How to Order

| Part Number Configuration: |  | LC3MSA00599 | - xx uu |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | - Unit of Measure: <br> $\mathrm{cm}=$ Centimeters <br> <blank> = Inches <br> - Length <br> - Base Number |  |  |
| Example: | LC3MSA0059 <br> LC3MSA0059 |  | long cable <br> cm long cable |  |  |  |

Lead Free LSZH Threaded TRB Plug to 3-Lug TRB Bulkhead Insulated Jack for 78 Ohm TWCH-78-2-LC, 60" Cable 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.

[^0]Lead Free LSZH Threaded TRB Plug to 3-Lug TRB Bulkhead Insulated Jack for 78 Ohm TWCH-78-2-LC, 60" Cable



[^0]:    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.

