

LSZH 1553 TRB 3-Lug Jack Bulkhead Non-Isolated to TRT Threaded Plug Cable Assembly using TWCH-78-2 Coax, 3 FT



#### LC3MSA00600-36

# Configuration

· Connector 1: TRB 3-Lug Jack Bulkhead NonIsolated

· Connector 2: TRT Threaded Plug

• Cable Type: TWCH-78-2

#### **Features**

MIL-STD-1553

-30°C to +80°C

78 ohms

# **Applications**

- Military Contractors
- MII -STD-1553
- Data

- ROHS Low Smoke Zero Halogen
- Non-Toxic
- · Safer Environments
- Ventilation critical areas
- Hospitals

## **Description**

L-com's LC3MSA00600-36 is a LSZH 1553 TRB 3-Lug jack bulkhead non-isolated to TRT threaded plug cable assembly using TWCH-78-2 coax, 3 FT and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRB 3-Lug to TRT Threaded cable assembly has a jack to plug gender configuration with 78 Ohm flexible TWCH-78-2 series coax and operates to 500 MHz.

Custom versions of this TRB 3-Lug jack to TRB 3-Lug plug 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 LC3MSA00600-36 L-com LSZH 1553 TRB 3-Lug Jack Bulkhead Non-Isolated to TRT Threaded Plug Cable Assembly using TWCH-78-2 Coax, 3 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		500	MHz
Capacitance		21.2 [69.55]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms
Operating Voltage (AC)			1,000	Vri

# Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	10	50	100	200	500	MHz
Insertion Loss (Typ.)	0.266	0.353	0.425	0.515	0.68	dB

#### **Electrical Specification Notes:**

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.



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# **Mechanical Specifications**

**Cable Assembly** 

36 in [914.4 mm] Length\* Weight 0.259 lbs [117.48 g]

Cable

Cable Type TWCH-78-2 Impedance 78 Ohms Inner Conductor Type Stranded Inner Conductor Material and Plating Copper, Silver

Dielectric Type

Silver Plated Copper Shield Layer 1 Jacket Material HF POF, Blue

One Time Minimum Bend Radius 1.25 in [31.75 mm]

#### **Connectors**

Description	Connector 1	Connector 2	
Туре	TRB 3-Lug Jack Bulkhead NonIsolated	TRT Threaded Plug	
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:



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## LC3MSA00600-36

## **How to Order**



Example: LC3MSA00600-12 = 12 inches long cable

LC3MSA00600-100cm = 100 cm long cable

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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.