

Lead Free Bend Relief TRB 3-Slot Plug to Bend Relief TRB 3-Lug Jack Insulated Bulkhead 1553 Cable Using 124 Ohm TWC-124-2, 60" Coax



LC3MSA00659-60

Configuration

- Connector 1: TRB 3-Slot Plug
- Connector 2: TRB 3-Lug Jack Bulkhead Insulated
- Cable Type: TWC-124-2

Features

- 124 ohms
- Twinaxial
- MIL-STD-1553B
- -40°C to +80°C
- Lead Free Solder
- Standard and Custom Lengths Available
- Bend Relief
- Insulated

Applications

- MIL-STD-1553B Applications
- Data Transmission

Description

L-com's LC3MSA00659-60 is a lead free bend relief TRB 3-Slot plug to bend relief TRB 3-Lug jack insulated bulkhead 1553 cable using 124 Ohm TWC-124-2, 60" coax and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRB 3-Slot to TRB 3-Lug cable assembly has a plug to jack gender configuration with 124 Ohm flexible TWC-124-2 series coax and operates to 500 MHz. L-com's LC3MSA00659-60 is a Twinax bend relief 3-slot plug to insulated bulk head 3-lug cable jack .3 cable assembly from L-Com. These MIL-STD-1553 Twinaxial cable assemblies are the most popular cable assemblies used in wide interconnect applications to be used with bus couplers, avionics control boxes, and bus relays.

The LC3MSA00659-60 Twinax bend relief 3-slot plug to insulated bulk head 3-lug cable jack .3 MIL-STD-1553 cable assemblies are bend/strain relief. These cable assemblies have Twinax connectivity and are ideal for applications such as Aircraft avionics and test labs. These cable assemblies can withstand severe shocks and vibrations, making them critical avionics components. The Twinax bend relief 3-slot plug to insulated bulk head 3-lug cable jack .3 cable assemblies have a robust design and are easy to use.

L-com has one of the largest in-stock selections of Twinax bend relief 3-slot plug to insulated bulk head 3-lug cable jack .3 MIL-STD-1553 cable assemblies with same-day shipment. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal Twinax bend relief 3-slot plug to insulated bulk head 3-lug cable jack .3 MIL-STD-1553 cable assemblies for your requirements.

Custom versions of this TRB 3-Slot plug to TRB 3-Slot 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 LC3MSA00659-60 L-com Lead Free Bend Relief TRB 3-Slot Plug to Bend Relief TRB 3-Lug Jack Insulated Bulkhead 1553 Cable Using 124 Ohm TWC-124-2, 60" Coax 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 | | 12.3 [40.35] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 1,000 | Vrms |

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Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|------|-------|------|------|-------|
| Frequency | 10 | 50 | 100 | 200 | 500 | MHz |
| Insertion Loss (Typ.) | 0.285 | 0.38 | 0.455 | 0.56 | 0.77 | 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.

Mechanical Specifications

Cable Assembly

| | |
|---------|----------------------|
| Length* | 60 in [152.4 cm] |
| Weight | 0.282 lbs [127.91 g] |

Cable

| | |
|--------------------------------------|----------------------|
| Cable Type | TWC-124-2 |
| Impedance | 124 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Shield Layer 1 | Silver Plated Copper |
| Jacket Material | PVC, Blue |

| | |
|------------------------------|--------------------|
| One Time Minimum Bend Radius | 1.25 in [31.75 mm] |
|------------------------------|--------------------|

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------------|------------------------------|-----------------------------------|
| Type | TRB 3-Slot Plug | TRB 3-Lug Jack Bulkhead Insulated |
| Specification | MIL-STD-1553 | MIL-STD-1553 |
| Impedance | 124 Ohms | 124 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 |

Lead Free Bend Relief TRB 3-Slot Plug to Bend Relief TRB 3-Lug
 Jack Insulated Bulkhead 1553 Cable Using 124 Ohm TWC-124-2, 60" Coax



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Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

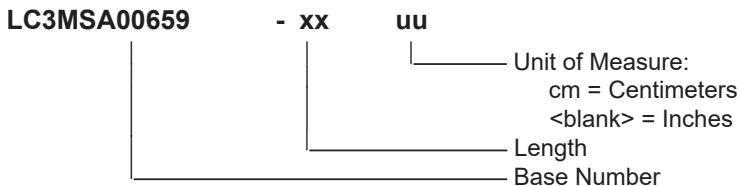
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: LC3MSA00659-12 = 12 inches long cable
 LC3MSA00659-100cm = 100 cm long cable

Lead Free Bend Relief TRB 3-Slot Plug to Bend Relief TRB 3-Lug Jack Insulated Bulkhead 1553 Cable Using 124 Ohm TWC-124-2, 60" Coax 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. 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.

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L-com CAD Drawing

