

Lead Free Bend Relief 3-Lug TRB Bulkhead Insulated Jack to Jack for 78 Ohm 30-2001-LC, 60" Cable



LC3MSA00556-60

Configuration

- Connector 1: TRB 3-Lug Jack Bulkhead
- Connector 2: TRB 3-Lug Jack Bulkhead
- Cable Type: 30-2001-LC

Features

- MIL-STD-1553
- -20°C to +75°C
- 78 ohms

Applications

- MIL-STD-1553
- Data

Description

L-com's LC3MSA00556-60 is a lead free bend relief 3-Lug TRB bulkhead insulated jack to jack for 78 Ohm 30-2001-LC, 60" cable and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRB 3-Lug to TRB 3-Lug cable assembly has a jack to jack gender configuration with 78 Ohm flexible 30-2001-LC series coax and operates to 400 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 TRB 3-Lug jack to TRB 3-Lug 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 LC3MSA00556-60 L-com Lead Free Bend Relief 3-Lug TRB Bulkhead Insulated Jack to Jack for 78 Ohm 30-2001-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 | | 400 | MHz |
| Capacitance | | 19.7 [64.63] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 1,000 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|------|-------|------|-----|-------|
| Frequency | 10 | 50 | 100 | 200 | 400 | MHz |
| Insertion Loss (Typ.) | 0.305 | 0.45 | 0.575 | 0.75 | 1 | 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.

Lead Free Bend Relief 3-Lug TRB Bulkhead Insulated
Jack to Jack for 78 Ohm 30-2001-LC, 60" Cable



LC3MSA00556-60

Mechanical Specifications

Cable Assembly

| | |
|---------|---------------------|
| Length* | 60 in [152.4 cm] |
| Weight | 0.32 lbs [145.15 g] |

Cable

| | |
|--------------------------------------|----------------------|
| Cable Type | 30-2001-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 | PVC, Blue |

| | |
|------------------------------|--------------------|
| One Time Minimum Bend Radius | 2.42 in [61.47 mm] |
|------------------------------|--------------------|

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------------|------------------------------|------------------------------|
| Type | TRB 3-Lug Jack Bulkhead | 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 | -20 to +75 deg C |
|-----------------|------------------|

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

Plotted and Other Data

Notes:

Lead Free Bend Relief 3-Lug TRB Bulkhead Insulated
Jack to Jack for 78 Ohm 30-2001-LC, 60" Cable



LC3MSA00556-60

How to Order

Part Number Configuration:

LC3MSA00556

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: LC3MSA00556-12 = 12 inches long cable
LC3MSA00556-100cm = 100 cm long cable

Lead Free Bend Relief 3-Lug TRB Bulkhead Insulated Jack to Jack for 78 Ohm 30-2001-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.

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.

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Technical drawing of a cable assembly showing a side view with dimensions. The drawing includes a cable with a braided shield, a central conductor, and a terminal block. Dimensions are given in inches and millimeters. The terminal block has a length of .78 inches [19.7] and a central conductor diameter of .157 inches [4.0]. The cable jacket has a maximum panel diameter of .242 inches [6.15]. The drawing is labeled "M FMBC-30-02001 CABLE" and "ET: PVC, BLUE".

Website: www.L-com.com
Phone: 1.800.341.5266 | 1.978.682.6936

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|-------------------|-------|
| SCALE | SHEET |

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DESCRIPTION

LEAD FREE BEND RELIEF 3-LUG TRB BULKHEAD INSULATED
JACK TO JACK FOR 78 OHM FMBC-30-02001 CABLE

| | | | | |
|-----------|--------------------|------------------|-------------------------|----------|
| SIZE A | CAGE CODE 43321 | DRAWN BY DMAY | ITEM NO. LC3MSA00556 | REV A |
|-----------|--------------------|------------------|-------------------------|----------|

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