

Lead Free 1553 TRB 2-Slot Plug to TRB 2-Slot Plug Cable Assembly using M17/176-00002 Coax, 5 FT

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LC3MSA00462-60

Configuration

Connector 1: TRB 2-Slot Plug
Connector 2: TRB 2-Slot Plug
Cable Type: M17/176-00002

Features

MIL-STD-1553-55°C to +200°C

78 ohms

MIL-STD-1553

Applications

· Vehicle High Temperature

Data

Description

L-com's LC3MSA00462-60 is a lead free 1553 TRB 2-Slot plug to TRB 2-Slot plug cable assembly using M17/176-00002 coax, 5 FT and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRB 2-Slot to TRB 2-Slot cable assembly has a plug to plug gender configuration with 78 Ohm flexible M17/176-00002 series coax and operates to 10 MHz.

Custom versions of this TRB 2-Slot plug to TRB 2-Slot 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 LC3MSA00462-60 L-com Lead Free 1553 TRB 2-Slot Plug to TRB 2-Slot Plug Cable Assembly using M17/176-00002 Coax, 5 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		10	MHz
Capacitance		24 [78.74]		pF/ft [pF/m]
Operating Voltage (AC)			750,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	3	5	7	10	MHz
Insertion Loss (Typ.)	0.27	0.305	0.34	0.375	0.425	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

Length* 60 in [152.4 cm]
Weight 0.13 lbs [58.97 g]

Cable

Cable Type M17/176-00002
Impedance 78 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper, Silver

Dielectric Type PTFE
Shield Layer 1 Silver Plated Copper

Jacket Material PFA, Blue

One Time Minimum Bend Radius 1.5 in [38.1 mm]

Connectors

Connector 1	Connector 2
TRB 2-Slot Plug	TRB 2-Slot Plug
78 Ohms	78 Ohms
Bronze, Gold 30 micro inches	Bronze, Gold 30 micro inches
ASTM-B-488	ASTM-B-488
Teflon	Teflon
Phosphor Bronze, Gold	Phosphor Bronze, Gold
30 micro inches	30 micro inches
Brass, Nickel	Brass, Nickel
ASTM-B-733	ASTM-B-733
	TRB 2-Slot Plug 78 Ohms Bronze, Gold 30 micro inches ASTM-B-488 Teflon Phosphor Bronze, Gold 30 micro inches Brass, Nickel

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



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LC3MSA00462-60



How to Order



Example: LC3MSA00462-12 = 12 inches long cable

LC3MSA00462-100cm = 100 cm long cable

Lead Free 1553 TRB 2-Slot Plug to TRB 2-Slot Plug Cable Assembly using M17/176-00002 Coax, 5 FT 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 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.

