

TRS Subminiature 3-Slot Solder/Clamp Plug To TRB 3-Slot Solder/Clamp Plug 30-02003-LC .150 O.D. Cable 4'



LC3CA2005-48

Configuration

- Connector 1: TRB 3-Slot Plug
- Connector 2: TRS Subminiature Plug
- Cable Type: 30-02003-LC

Features

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

Applications

- MIL-STD-1553
- Data

Description

L-com's LC3CA2005-48 is a TRS subminiature 3-Slot solder/clamp plug to TRB 3-Slot solder/clamp plug 30-02003-LC .150 O.D. cable 4' and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com TRB 3-Slot to TRS Subminiature cable assembly has a plug to plug gender configuration with 78 Ohm flexible 30-02003-LC series coax and operates to 500 MHz. L-com's LC3CA2005-48 is a TRS subminiature 3-slot solder/clamp plug to TRB 3-slot solder/clamp plug 30-02003-LC .150 O.D. cable assembly from L-Com. These cable assemblies have popular TRB plug connectors with 3-lug bayonet coupling designs as well as TRB plugs with threaded designs. These MIL-STD-1553 Twinaxial cable assemblies with TRB and TRS connector interfaces are the most popular cable assemblies used in wide interconnect applications to be used with bus couplers, avionics control boxes, and bus relays.

The LC3CA2005-48 TRS subminiature 3-slot solder/clamp plug to TRB 3-slot solder/clamp plug 30-02003-LC .150 O.D. 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 TRS subminiature 3-slot solder/clamp plug to TRB 3-slot solder/clamp plug 30-02003-LC .150 O.D. cable assemblies have a robust design and are easy to use.

L-com has one of the largest in-stock selections of TRS subminiature 3-slot solder/clamp plug to TRB 3-slot solder/clamp plug 30-02003-LC .150 O.D. 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 TRS subminiature 3-slot solder/clamp plug to TRB 3-slot solder/clamp plug 30-02003-LC .150 O.D. MIL-STD-1553 cable assemblies for your requirements.

Custom versions of this TRB 3-Slot plug to TRB 3-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 LC3CA2005-48 L-com TRS Subminiature 3-Slot Solder/Clamp Plug To TRB 3-Slot Solder/Clamp Plug 30-02003-LC .150 O.D. Cable 4' 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		20.3 [66.6]		pF/ft [pF/m]
Operating Voltage (AC)			300	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.)	0.42	0.68	0.88	1.15	1.7	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*	48 in [121.92 cm]
Weight	0.262 lbs [118.84 g]

Cable

Cable Type	30-02003-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	1.5 in [38.1 mm]
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Connectors

Description	Connector 1	Connector 2
Type	TRB 3-Slot Plug	TRS Subminiature 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

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LC3CA2005-48

Environmental Specifications

Temperature

Operating Range

-20 to +75 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

LC3CA2005

- xx

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

Example: LC3CA2005-12 = 12 inches long cable
LC3CA2005-100cm = 100 cm long cable

TRS Subminiature 3-Slot Solder/Clamp Plug To TRB 3-Slot Solder/Clamp Plug 30-02003-LC .150 O.D. Cable 4' 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.

