



TRB 3-Lug Jack to Blunt Cut Genderless 1553 Cable  
Using 124 Ohm TWC-124-2 Coax Bend Relief Spring

**RF Cable Assemblies Technical Data Sheet**

**PE3MSA00669**

**Configuration**

- Connector 1: TRB 3-Lug Jack
- Connector 2: Blunt Cut Genderless
- Cable Type: TWC-124-2
- Coax Flex Type: Flexible

**Features**

- Max Frequency 500 MHz
- PVC Jacket
- 124 ohms
- Twinaxial
- MIL-STD-1553B
- -40°C to +80°C
- Lead Free Solder
- Standard and Custom Lengths Available

**Applications**

- General Purpose
- Laboratory Use
- MIL-STD-1553B Applications
- Data Transmission

**Description**

Pasternack's PE3MSA00669 78 ohm TRB 3-Lug jack to Blunt cut genderless cable using 124 ohm TWC-124-2 twinax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack TRB 3-Lug to Blunt Cut cable assembly has a jack to genderless gender configuration with 124 ohm flexible TWC-124-2 twinax. The PE3MSA00669 TRB 3-Lug jack to Blunt cut genderless cable assembly operates to 500 MHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TRB 3-Lug Jack to Blunt Cut Genderless 1553 Cable Using 124 Ohm TWC-124-2 Coax Bend Relief Spring PE3MSA00669](#)



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### 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         |

### Specifications by Frequency

| Description | F1 | F2 | F3  | F4  | F5  | Units |
|-------------|----|----|-----|-----|-----|-------|
| Frequency   | 10 | 50 | 100 | 200 | 500 | MHz   |

### Mechanical Specifications

#### Cable Assembly

Weight 0.25 lbs [113.4 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]

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### Connectors

| Description                           | Connector 1                  | Connector 2                |
|---------------------------------------|------------------------------|----------------------------|
| Type                                  | TRB 3-Lug Jack Bayonet       | Blunt Cut Genderless Other |
| Option                                | Bend Relief Spring           |                            |
| Specification                         | MIL-STD-1553                 |                            |
| Impedance                             | 78 Ohms                      |                            |
| Contact Material and Plating          | Bronze, Gold 30 micro inches |                            |
| Contact Plating Specification         | ASTM-B-488                   |                            |
| Dielectric Type                       | Teflon                       |                            |
| Outer Conductor Material and Plating  | Phosphor Bronze, Gold        |                            |
| Outer Conductor Plating Specification | 30 micro inches              |                            |
| Body Material and Plating             | Brass, Nickel                |                            |
| Body Plating Specification            | ASTM-B-733                   |                            |

### Environmental Specifications

#### Temperature

Operating Range

-40 to +80 deg C

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

### Plotted and Other Data

Notes:

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## TRB 3-Lug Jack to Blunt Cut Genderless 1553 Cable Using 124 Ohm TWC-124-2 Coax Bend Relief Spring

### RF Cable Assemblies Technical Data Sheet

**PE3MSA00669**

#### How to Order

Part Number Configuration:

**PE3MSA00669**

- **xx**

**uu**

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

Example: PE3MSA00669-12 = 12 inches long cable  
PE3MSA00669-100cm = 100 cm long cable

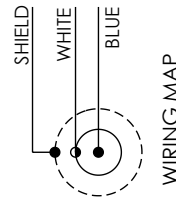
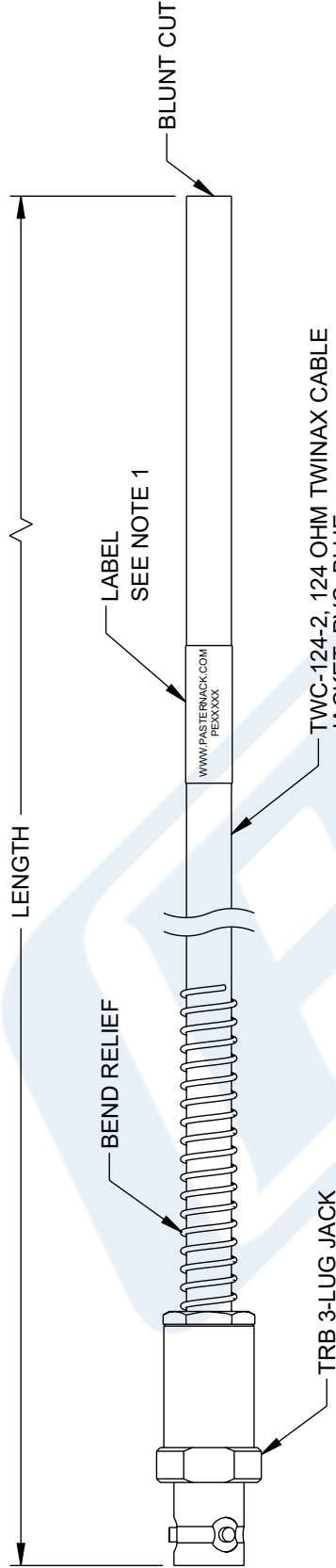
TRB 3-Lug Jack to Blunt Cut Genderless 1553 Cable Using 124 Ohm TWC-124-2 Coax Bend Relief Spring from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TRB 3-Lug Jack to Blunt Cut Genderless 1553 Cable Using 124 Ohm TWC-124-2 Coax Bend Relief Spring PE3MSA00669](#)

URL: <https://www.pasternack.com/trb-3-lug-jack-to-blunt-cut-genderless-1553-cable-using-twc-124-2-pe3msa00669-p.aspx>

The information contained in 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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

### LEAD FREE SOLDER



| ITEM NUMBER    | LENGTH |        |
|----------------|--------|--------|
|                | FEET   | METERS |
| PE3MSA00669-12 | 1.0    | .31    |
| PE3MSA00669-24 | 2.0    | .61    |
| PE3MSA00669-36 | 3.0    | .92    |
| PE3MSA00669-48 | 4.0    | 1.22   |
| PE3MSA00669-60 | 5.0    | 1.52   |

#### NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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|-----------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------|--|
| <b>PASTERNAK</b><br>an INFINITE brand                                 |                       | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5<br>SCALE: NONE<br>SHEET: 1 OF 1 |  |
| Website: www.Pasternack.com<br>Phone: 1.866.727.8376   1.949.261.1920 |                       | DESCRIPTION:<br>ROHS LAB RATED 124 OHM 1553 TWINAX TRB CABLE JACK BR - BLUNT CUT       |  |
| SIZE: A<br>CAGE CODE: 53919<br>DRAWN BY: DMAY                         | ITEM NO.: PE3MSA00669 | REV: A                                                                                 |  |