

## YMYP DT STAMPED 2Pin 2Pair

# YMYP Deutsch DT Connector User Manual

Model: DT STAMPED 2Pin 2Pair

## 1. INTRODUCTION

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This manual provides detailed instructions for the proper installation, operation, and maintenance of your YMYP Deutsch DT Connectors. These connectors are designed for reliable and waterproof electrical connections in various automotive, marine, and industrial applications.

Key features include:

- High chemical stability, electrical conductivity, and oxidation resistance.
- Waterproof and dustproof design (IP68 rating).
- Snap-on design for secure and simple connection/disconnection.
- Nickel-plated copper alloy contacts for stable current flow up to 13A.

## 2. PACKAGE CONTENTS

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Verify that all components are present in your package:

- 2 sets of 2-pin DT connectors (4 male plugs, 4 female plugs)
- 6 pairs of stamped contacts (6 pins, 6 sockets)

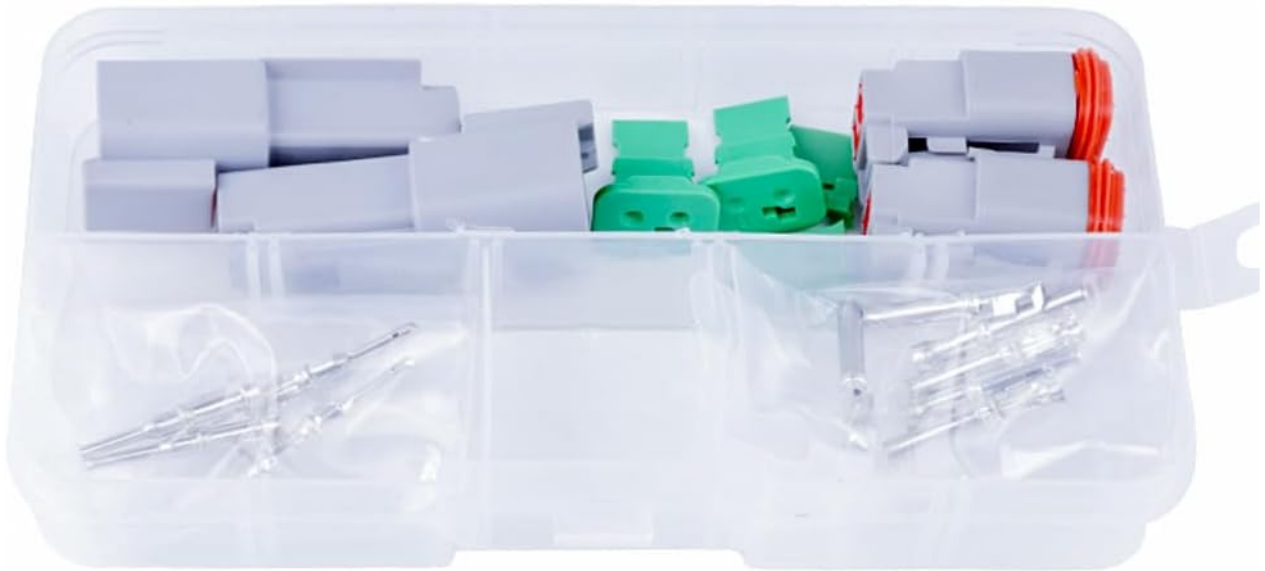


Image: Overview of the YMYP Deutsch DT Connector kit components, including housings, wedges, and contacts, neatly organized in a clear case.

### 3. SETUP AND INSTALLATION

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Follow these steps to properly assemble and install your Deutsch DT connectors. Ensure you have appropriate crimping tools for the contacts.

#### 3.1. Crimping Contacts

Proper crimping is essential for a secure and reliable connection. Use a suitable crimping tool for Size 16 stamped contacts (18-14 AWG).

# Pure Copper Stamped Contactors

SOCKET CONTACT 6PCS

Nickle Plated 14-18AWG

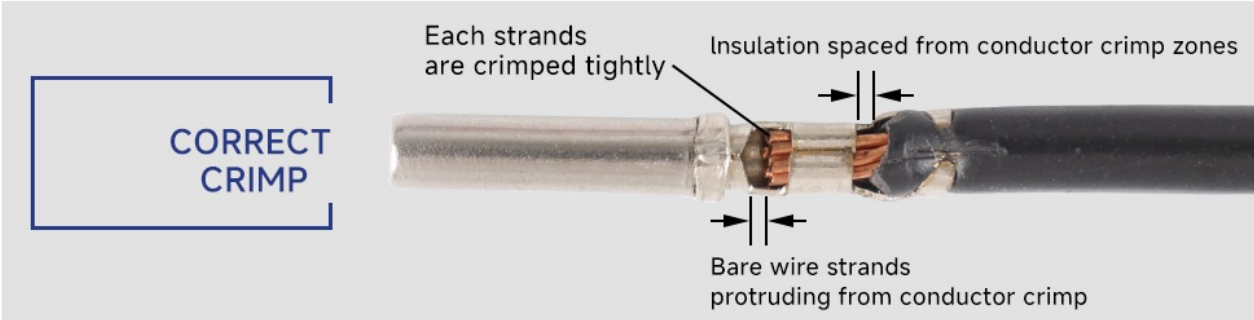


Nickle Plated 14-18AWG

PIN CONTACT 6PCS

Image: Detailed view of the nickel-plated copper alloy pin and socket contacts, designed for 14-18 AWG wires.

## STAMPED CONTACT CRIMP



INCORRECT CRIMPS

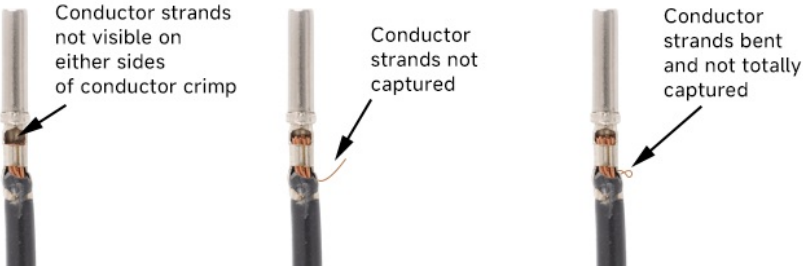


Image: Visual guide illustrating the correct method for crimping wires to contacts, emphasizing tight strand crimping and proper

insulation spacing.

1. Strip approximately 3/16 inch (4.7 mm) of insulation from the wire end.
2. Insert the stripped wire into the contact's wire barrel.
3. Place the contact into the appropriate crimping tool cavity.
4. Crimp the contact firmly, ensuring all wire strands are captured and the insulation is properly seated.

### 3.2. Assembling the Connector

After crimping the contacts, insert them into the connector housing and secure with the wedge lock.

Your browser does not support the video tag.

Video: This video demonstrates the complete assembly process for Deutsch DT connectors, including crimping wires to contacts, inserting contacts into the housing, and securing the wedge lock. It also shows how to connect and disconnect the male and female connector halves.

#### OPERATION STEP



Image: Step-by-step visual instructions for assembling the connector, from crimping to final insertion of contacts and wedge locks.

1. Identify the correct cavity in the connector housing for each crimped contact.
2. Push the crimped contact into the cavity until you feel a click, indicating it is fully seated. Gently tug on the wire to ensure it is locked in place.
3. Once all contacts are inserted, push the green wedge lock into the front of the connector housing until it snaps into place. This secures the contacts and provides additional sealing.

### 4. OPERATING THE CONNECTORS

Connecting and disconnecting the Deutsch DT connectors is straightforward due to their snap-on design.

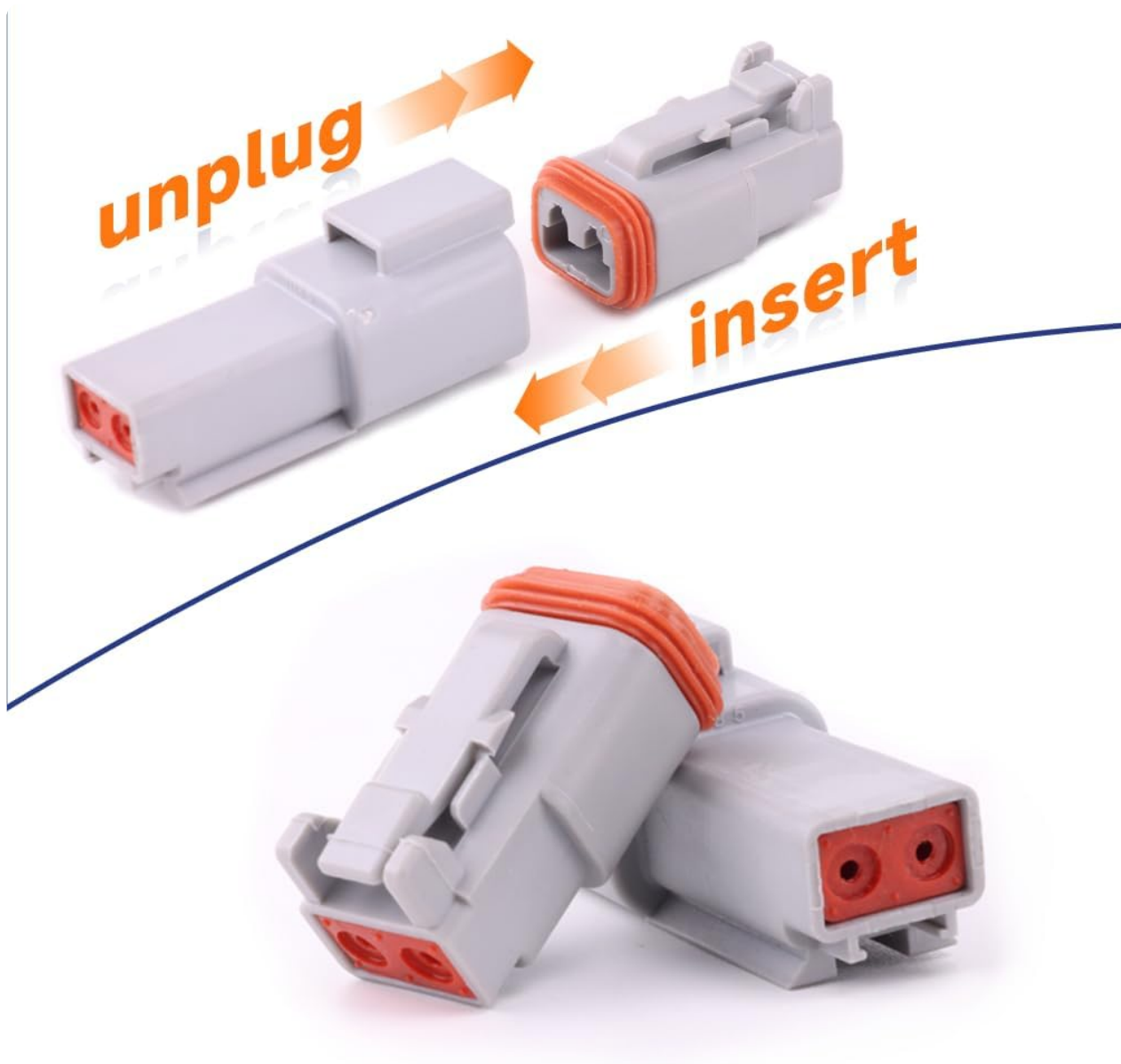


Image: Illustration demonstrating the simple insertion and unplugging mechanism of the DT connectors.

- **Connecting:** Align the male and female connector halves and push them together firmly until you hear and feel a positive click. This indicates a secure connection.
- **Disconnecting:** To unplug, grasp both connector halves firmly and pull them apart. The snap-on design allows for easy separation without special tools.

## 5. MAINTENANCE

YMPY Deutsch DT connectors are designed for durability and minimal maintenance. However, periodic inspection can help ensure long-term performance.



Image: The connector demonstrating its waterproof and robust design, resistant to flame and corrosion.

- **Cleaning:** If connectors become dirty, clean them with a damp cloth. Avoid harsh chemicals that could damage the plastic or seals.
- **Inspection:** Periodically check for any signs of wear, damage, or corrosion on the connector housings and contacts. Ensure the rubber seals are intact.
- **Storage:** Store unused connectors and components in a dry, clean environment to prevent dust accumulation and maintain their integrity.

## 6. TROUBLESHOOTING

If you encounter issues with your Deutsch DT connectors, consider the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Poor electrical connection	Improper crimping, corroded contacts, loose contacts in housing.	Re-crimp contacts, clean contacts, ensure contacts are fully seated and wedge lock is installed.
Water ingress	Damaged seals, improperly installed wedge lock, connector not fully mated.	Inspect seals for damage, ensure wedge lock is fully seated, confirm connector halves are fully clicked together.
Difficulty mating/unmating	Misalignment, debris in connector, damaged housing.	Check alignment, clean out any debris, inspect housing for damage.

## 7. SPECIFICATIONS

Attribute	Value
Brand	YMYP
Model	DT STAMPED 2Pin 2Pair
Item Weight	2.29 ounces
Package Dimensions	7.24 x 3.58 x 1.14 inches
Country of Origin	China
Manufacturer Part Number	DT STAMPED
Exterior Finish	Polished
Max. Current	13A (for Size 16 contacts)
Wire Gauge Compatibility	18-14 AWG (for Size 16 contacts)
Waterproof Rating	IP68

## 8. WARRANTY AND SUPPORT

YMYP is committed to providing high-quality products. While specific warranty details are not provided in this manual, YMYP products are manufactured under strict quality control to ensure reliable performance. For any questions, technical assistance, or support regarding your Deutsch DT Connectors, please contact YMYP customer service through the retailer where the product was purchased or visit the official YMYP store online.

Visit the YMYP  
Store

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