

PANDUIT T-PMPI-311-PC Copper Compression Connectors



PANDUIT T-PMPI-311-PC Copper Compression Connectors Installation Guide

[Home](#) » [PANDUIT](#) » PANDUIT T-PMPI-311-PC Copper Compression Connectors Installation Guide 

Contents

- [1 PANDUIT T-PMPI-311-PC Copper Compression Connectors](#)
- [2 Product Specifications](#)
- [3 Product Usage Instructions](#)
- [4 Frequently Asked Questions](#)
- [5 INSTALLATION INSTRUCTIONS](#)
- [6 Tool Chart for Compression Connectors](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)

PANDUIT

PANDUIT T-PMPI-311-PC Copper Compression Connectors



Product Specifications

- Product Name: Copper Compression Connectors
- Model: T-PMPI-311-PC
- Wire Size Compatibility: 8 AWG – 4/0 AWG
- Wire Material: Class K Copper Flex Cable
- Tool Compatibility: Greenlee #EK622L, Panduit CT-3001 series, Wezag UP 60, Schleuniger CT 60

Product Usage Instructions

1. Connector Selection

Ensure to use a connector marked for the specific wire size and material. Do not use copper connectors on aluminium wire.

2. Wire Preparation

Strip the wire insulation to the length indicated on the tool chart. Avoid nicking or ringing the conductor strands.

3. Wire Cleaning

Clean the wire thoroughly before proceeding with the installation.

4. Connector Insertion

Insert the stripped wire into the connector until it reaches the end of the connector.

5. Crimping Process

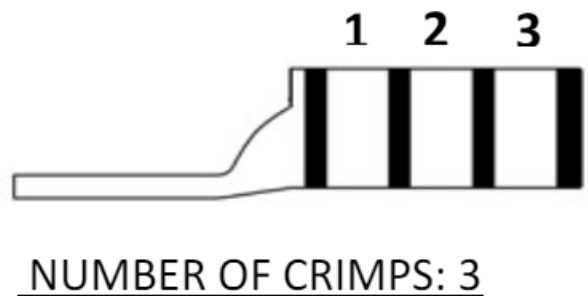
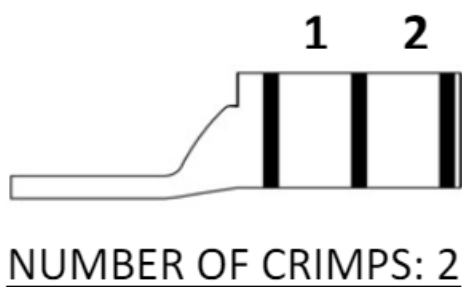
Using the appropriate installation tool, insert the connector into the die and crimp it. Ensure to space crimps evenly along the barrel of the connector. Follow the required number of compressions as shown on the tool chart.

Frequently Asked Questions

- **Q: Can I use a copper connector on aluminum wire?**
 - A: No, it is recommended to never use a copper connector on aluminum wire to avoid compatibility issues and ensure safety.
- **Q: What are the compatible wire sizes for this product?**
 - A: The product is compatible with wire sizes ranging from 8 AWG to 4/0 AWG.
- **Q: How can I clean the wire before installation?**
 - A: Use appropriate cleaning tools or materials to remove any dirt or debris from the wire surface before inserting it into the connector.

INSTALLATION INSTRUCTIONS

1. Use a connector marked for the wire size and wire material to be used. NEVER use a copper connector on aluminium wire.
2. Strip wire insulation to the approximate length shown on tool chart. DO NOT nick or ring the conductor strands.
3. Clean the wire.
4. Insert the stripped wire into the connector until the wire stops.
5. Using the installation tooling shown on the other side, insert the connector in die and crimp. Evenly spaced crimps on the barrel of the connector. Begin crimping near the tongue end of the lug and continue crimping toward the wire end. REQUIRED NUMBER OF COMPRESSIONS IS SHOWN ON THE TOOL CHART IN (). KC22 hex dies will emboss a die index number in the barrel of the lug for post-crimp inspection.



Tool Chart for Compression Connectors

A-Series with Class K Copper Flex Cable

PANDUIT PART	FLEX CABLE SIZE	WIRE STRIP	GREENLEE DIE NO.	Pico 500 Series		Pico 400 Series	
				Crimp	Locator	Crimp	Locator
A8-10R-C	8 AWG	9/16	KC22-8	514DA-8NIT B.140	10894	414DA-8NIT B.140	19352
A8-14R-C			8				
A8-56R-C			Red (2)				
A8-38R-C							
A6-10R-C	6 AWG	9/16	KC22-6 6	514DA-6NIT- B- RA-P.150	10893	414DA-6NIT B.150	19351
A6-14R-C			Blue (2)				
A6-56R-C							
A6-38R-C							
A6-14RH-C						19576	—
A4-14R-C	4 AWG	5/8	KC22-4 4	514DA-4NIT B.170	10969	414DA-4NIT B.170	19353
A4-56R-C			Gray				
A4-38R-C			(2)				

KC22 DIES CAN BE USED IN THE FOLLOWING CRIMP TOOLS:

GREENLEE #EK622L (6-TON), PANDUIT CT-3001/ST, CT-3001/STBT, CT-3001/CCPBT, & CT-3001/CCP (WITH UA22 ADAPTER) (6-TON), WEZAG UP 60 (WITH 1481-03017 ADAPTER), SCHLEUNIGER CT 60 (WITH 1481-03017 ADAPTER), NOT ALL ARE SUPPLIED BY PANDUIT

For Instructions in Local Languages and Technical Support:

- techsupport@panduit.com
- www.panduit.com
- E-mail:
 - cs@panduit.com
- Phone:
 - [800-777-3300](tel:800-777-3300)

PANDUIT PART NUMBER	FLEX CABLE SIZE CLASS K	WIRE STRIP LENGTH (in)	GREENLEE DIE NO. DIE INDEX NUMBER (QTY OF COMP)	Pico 500 Series Model 500-D-1EC-P		Pico 400 Series Model 400-B-1EC	
				Crimp	Locator	Crimp	Locator
A2-14R-C						414DA-2NI	
A2-56R-C							

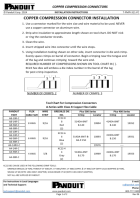
A2-38R-C	2 AWG	5/8	KC22-2 2 Brown (2)	514DA-2NIT-B -RA- P.190	5510-8	T B.190	19354
A2-12R-C							
A2-14RH-C					19575	---	
A2-38RH-C							
A2-56RH-C							
A2-56RF-C							
A2-38RF-C							
A1-14R-C	1 AWG	13/16	KC22-1 1 Green (2)	514DA-1NIT B .240	5510-11	414DA-1/0 NIT B.240	19350
A1-56R-C							
A1-38R-C							
A1-12R-C							
A1/0-56R-C	1/0 AWG	13/16	KC22-1/0 1/0 Pink (2)	514DA-1/0NIT -B-RA- P.240	10216	414DA-1/0 NIT B.240	19349
A1/0-38R-C							
A1/0-12R-C							
A1/0-38RH-C					19574	---	
A1/0-38RF-C					19581		
A2/0-56RC-C	2/0 AWG	15/16	CD22-2/0 2/0 Black (2)	514DA-2/0NIT -B-RA- P.280	10863	414DA-2/0 NIT B.280	19348
A2/0-38R-C							
A2/0-12R-C							
A2/0-38RH-C					19573	---	
A2/0-56RH-C							
A2/0-12RF-C					NOT REQUIR ED		
A3/0-56R-C	3/0 AWG	13/16	CD22-3/0 3/0 Orange (2)	514DA-3/0NIT B.325	5520-1	—	—
A3/0-38R-C							
A3/0-12R-C							
A4/0-56R-C				514DA-4/0NIT -B- P.350	10895	—	—
A4/0-38R-C							
A4/0-12R-C							

A4/0-12RH-C	4/0 AWG	15/16	KC22-4/0 4/0 Purple (2)	---		
A4/0-38RH-C						
A4/0-38RF-C				514DA-4/0NIT -B-	NOT	---
A4/0-12RF-C				P.350	REQUIR ED	

KC22 DIES CAN BE USED IN THE FOLLOWING CRIMP TOOLS:

GREENLEE #EK622L (6-TON), PANDUIT CT-3001/ST, CT-3001/STBT, CT-3001/CCPBT, & CT-3001/CCP (WITH UA22 ADAPTER) (6-TON), WEZAG UP 60 (WITH 1481-03017 ADAPTER), SCHLEUNIGER CT 60 (WITH 1481-03017 ADAPTER), NOT ALL ARE SUPPLIED BY PANDUIT.

Documents / Resources

	PANDUIT T-PMPI-311-PC Copper Compression Connectors [pdf] Installation Guide T-PMPI-311-PC, T-PMPI-311-PC Copper Compression Connectors, Copper Compression Conn ectors, Compression Connectors, Connectors
--	---

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.