

## CLEVELAND CLE105247

# Instruction Manual: Cleveland 105247 Connector

Genuine OEM Replacement Part

## PRODUCT OVERVIEW

The Cleveland 105247 Connector is a genuine OEM replacement part designed for industrial and commercial applications. Specifically, it is a 1/2 inch, 90-degree greenfield connector, essential for securely joining flexible metal conduit (FMC) or armored cable (AC) to an electrical box or enclosure at a right angle. This component ensures a safe and reliable electrical connection, maintaining the integrity of the wiring system.



An image showing the Cleveland 105247 Connector, a 1/2 inch, 90-degree greenfield connector. It is made of metal, likely

galvanized, with a threaded collar on one end and a clamp mechanism with two screws on the other end for securing a conduit.

## SETUP AND INSTALLATION

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Proper installation of the Cleveland 105247 Connector is crucial for electrical safety and system integrity. Always ensure power is disconnected before beginning any installation work.

1. **Preparation:** Ensure the flexible metal conduit (FMC) or armored cable (AC) is cut cleanly and deburred to prevent wire insulation damage.
2. **Insert Cable:** Loosen the two clamping screws on the connector. Insert the end of the FMC or AC into the clamping end of the 90-degree connector. Ensure the cable is fully seated.
3. **Secure Cable:** Tighten the two clamping screws firmly and evenly to secure the cable within the connector. Do not overtighten, as this can damage the cable or connector.
4. **Attach to Box:** Insert the threaded end of the connector into the appropriate knockout hole of the electrical box or enclosure.
5. **Secure Connector:** Thread the locknut (not included with connector) onto the threaded end of the connector from inside the electrical box. Tighten the locknut securely to hold the connector in place.
6. **Final Check:** Verify that all connections are tight and secure, and that the cable is not strained or kinked.

**Safety Note:** All electrical work should be performed by qualified personnel and in accordance with local electrical codes and regulations.

## FUNCTION AND USE

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The Cleveland 105247 Connector serves as a critical component in electrical conduit systems. Once properly installed, its function is to provide a secure, protective, and continuous pathway for electrical wiring, allowing for a 90-degree change in direction of the conduit run. This ensures the wires are protected from physical damage and environmental factors, while maintaining electrical continuity and grounding where applicable.

- **Conduit Protection:** Protects electrical conductors within the conduit from abrasion and impact.
- **Directional Change:** Facilitates routing of conduit around corners or obstacles.
- **Secure Connection:** Ensures a firm mechanical connection between the conduit and the electrical enclosure.
- **OEM Quality:** As a genuine OEM part, it guarantees compatibility and performance matching original equipment specifications.

## MAINTENANCE

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The Cleveland 105247 Connector is designed for durability and requires minimal maintenance. However, periodic inspection is recommended to ensure continued performance and safety.

- **Visual Inspection:** Regularly inspect the connector for any signs of physical damage, corrosion, or loosening.
- **Tightness Check:** Periodically check the tightness of the clamping screws and the locknut securing the connector to the electrical box. Retighten if necessary, ensuring not to overtighten.
- **Environmental Factors:** If installed in environments with high humidity, extreme temperatures, or corrosive agents, more frequent inspections may be necessary.
- **Cleaning:** If dust or debris accumulates, gently wipe the exterior of the connector with a dry, clean cloth. Do not use abrasive cleaners or solvents.
- **Replacement:** If any damage, significant corrosion, or deformation is observed, the connector should be

replaced immediately with a genuine OEM part to maintain system integrity and safety.

## TROUBLESHOOTING

While the Cleveland 105247 Connector is a robust component, issues can arise from improper installation or external factors. Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Loose Cable Connection	Clamping screws not tightened sufficiently.	Ensure power is off. Retighten clamping screws evenly and firmly.
Connector Detached from Box	Locknut not tightened or came loose.	Ensure power is off. Re-secure the locknut inside the electrical box.
Cable Damage at Connector Entry	Cable not deburred before insertion; overtightening of screws.	Ensure power is off. Inspect cable for damage. If damaged, replace cable and/or connector. Ensure proper deburring and tightening during reinstallation.
Corrosion on Connector	Exposure to moisture or corrosive agents.	Clean gently if minor. If significant, replace the connector. Consider environmental protection for future installations.

If troubleshooting steps do not resolve the issue, or if you are unsure about any electrical procedure, it is recommended to consult a qualified electrician.

## PRODUCT SPECIFICATIONS

Brand	CLEVELAND
Model Number	CLE105247
Product Type	Connector; Greenfield; 90-Degree
Size	1/2 inch
Dimensions	5 x 6 x 9 inches
Weight	1.6 ounces
Manufacturer	Cleveland
Country of Origin	USA
ASIN	B01F6CANE4

## WARRANTY INFORMATION

As a genuine OEM (Original Equipment Manufacturer) replacement part, the Cleveland 105247 Connector is manufactured to the highest standards and is typically covered by the manufacturer's standard warranty for OEM parts. Specific warranty terms and conditions may vary depending on the point of purchase and regional regulations. Using genuine OEM parts helps maintain the warranty of the equipment it is installed into. For detailed warranty information, please refer to the documentation provided with your original equipment or contact the manufacturer

directly.

## CUSTOMER SUPPORT

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For technical assistance, questions regarding installation, or to report any issues with your Cleveland 105247 Connector, please contact Cleveland customer support.

- **Manufacturer:** Cleveland
- **Website:** Please refer to the official Cleveland manufacturer website for contact details.
- **Note:** When contacting support, please have your product model number (CLE105247) and any relevant purchase information ready.