

## ARLINGTON L421

# ARLINGTON L421 1/2 Inch Squeeze Connector

## INSTRUCTION MANUAL

### 1. Introduction

This manual provides detailed instructions for the proper installation and use of the ARLINGTON L421 1/2 Inch Squeeze Connector. This connector is designed for securing flexible AC/MCI cable in electrical installations, ensuring a concrete-tight connection when taped. Please read these instructions thoroughly before installation to ensure safe and effective use.

### 2. Safety Information

**WARNING:** Electrical work should only be performed by qualified personnel. Always disconnect power at the circuit breaker or fuse box before installing or servicing electrical components. Failure to do so may result in serious injury or death.

- Ensure all local and national electrical codes are followed during installation.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Inspect the connector for any damage before installation. Do not use damaged components.

### 3. Product Components

The ARLINGTON L421 1/2 Inch Squeeze Connector is a single-piece unit made from zinc die-cast material. It features a single screw for securing the cable.



*Image 1: ARLINGTON L421 1/2 Inch Squeeze Connector. This image shows the zinc die-cast connector with its single screw mechanism, designed for securing flexible electrical cables.*

## 4. Setup and Installation

Follow these steps for proper installation of the ARLINGTON L421 Squeeze Connector:

1. **Prepare Cable:** Ensure the flexible AC/MCI cable is cut to the desired length and stripped according to cable manufacturer specifications, exposing the conductors.
2. **Insert Cable:** Insert the prepared cable into the open end of the L421 squeeze connector. Ensure the cable jacket extends sufficiently into the connector body to be securely gripped.
3. **Tighten Screw:** Using an appropriate screwdriver, tighten the single screw on the side of the connector. Tighten until the cable is firmly secured and cannot be pulled out. Do not overtighten, as this may damage the cable or the connector.
4. **Attach to Enclosure:** Insert the threaded end of the connector into the appropriate knockout hole of an electrical box or enclosure. Secure it with a locknut from the inside of the enclosure (locknut not included).
5. **Ensure Concrete-Tight Seal (if required):** For concrete-tight applications, apply appropriate electrical tape around the connection point where the connector meets the enclosure, as per local code requirements.

## 5. Operating Instructions

The ARLINGTON L421 is a passive electrical fitting. Once properly installed and secured, it functions to maintain the integrity of the cable connection to an electrical enclosure. No further operational steps are required beyond initial installation.

## 6. Maintenance

The ARLINGTON L421 Squeeze Connector requires minimal maintenance. Periodically inspect installed connectors for any signs of corrosion, loosening, or damage. If any issues are observed, disconnect power and replace the connector as necessary. Ensure all connections remain tight and secure.

## 7. Troubleshooting

---

- **Cable Pulls Out:** If the cable pulls out of the connector, ensure the screw is adequately tightened. If the cable jacket is damaged or too small for the connector, replace the cable or use an appropriately sized connector.
- **Loose Connection to Enclosure:** Ensure the locknut (not included) securing the connector to the electrical box is properly tightened.
- **Corrosion:** In corrosive environments, consider using connectors specifically designed for such conditions. The L421 is zinc die-cast, offering good general corrosion resistance.

## 8. Specifications

---

<b>Model Number</b>	L421
<b>Trade Size</b>	1/2 Inch
<b>Material</b>	Zinc Die-Cast
<b>Cable Type Compatibility</b>	Flexible AC/MCI Cable
<b>Connection Type</b>	Squeeze Connector, Single Screw
<b>Dimensions (Approx.)</b>	1.439 Inch x 1.42 Inch x 1.42 Inch
<b>Concrete Tight</b>	Yes, when taped

## 9. Warranty Information

---

ARLINGTON products are manufactured to high standards. For specific warranty details, please refer to the official ARLINGTON website or contact their customer service. Keep your purchase receipt as proof of purchase.

## 10. Support

---

For technical assistance, product inquiries, or to report issues, please visit the official ARLINGTON website or contact their customer support department. Contact information can typically be found on the manufacturer's packaging or website.