



# INSURE® Model 87, 88, 90 Push-In Wire Connectors

## Installation Instructions:

To be sold only with installation instructions.

**⚠Warning** Improper use or installation of this product may cause fire, electrocution, serious personal injury or death. Shut off power to the circuit or remove fuse before using this product. Use only connectors properly sized to the wiring being used. Consult local building codes for installation requirements.

1. **⚠ WARNING:** One time use only. Do not reuse.
2. Wiring must comply with all applicable electrical codes.
3. Turn OFF power before removing or installing connectors.
4. Cleanly strip wires .43" (11mm).
5. Grip wire firmly and push conductor into open port. Slightly twist stranded wire counter clockwise while inserting. Use only one conductor per port.
6. Verify conductor is fully inserted to the back of the connector.

## Wire Ranges

### Solid Copper

12 – 20 AWG

### Stranded Copper

12 – 16 AWG (≤ 19 Stranded)

18 AWG (≤ 7 Stranded)

DO NOT use with 16 AWG (26 Stranded)

### Stranded Copper Tin-Bonded

14 – 18 AWG (≤ 19 Stranded)

COPPER TO COPPER ONLY: Do Not Use on Aluminum wire. DO NOT RE-USE connector. For use in dry locations only. Consult IDEAL for a complete table of UL Listed Certified Combinations.

For use on insulation types TFN, TFFN, THHN, XHHW, T90 nylon or equivalent.

**Temperature Rating:** 105°C (221°F) maximum.

**Voltage Rating:** 600V maximum building wire. 1000V signs and lighting fixtures.

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**WARRANTY:** [www.idealind.com](http://www.idealind.com)

## IDEAL INDUSTRIES, INC.

Sycamore, IL 60178, U.S.A.

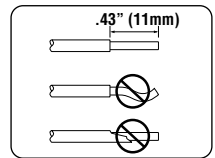
800-435-0705 Customer Assistance

[www.idealind.com](http://www.idealind.com)

**ND 9495-2**

Made in China

### Wire Strip Length



### Insertion

