



# 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.

- WARNING:** One time use only. Do not reuse.
- Wiring must comply with all applicable electrical codes.
- Turn OFF power before removing or installing connections
- Cleanly strip wires 1/2" (13mm).
- Grip wire firmly and push conductor into open port. Slightly twist stranded wire counter clockwise while inserting. Use only one conductor per port. Slightly twist stranded wire counter clockwise while inserting.
- Inspect connection to make sure that all conductors are seated in the bottom of the clear housing.

**Model 87 Wire range** - any combination (600V max.)

**Solid** 12 – 20 AWG

**Stranded**

12 – 16 AWG (≤ 19 str.)

18 AWG (≤ 7 str.)

**Models 88 & 90 Wire range** - any combination (600 V max.)

**Solid** 12 – 20 AWG

**Stranded**

14 – 16 AWG (≤ 19 str.)

18 AWG - (7 str.)

**Stranded Tin-Bonded**

14 – 18 AWG (≤ 19 str.)

COPPER TO COPPER ONLY: Do Not Use on Aluminum wire. DO NOT RE-USE connector. 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 in building wire. 1000V maximum in fixtures and signs.

## IDEAL INDUSTRIES, INC.

Sycamore, IL 60178, U.S.A.

800-435-0705 Customer Assistance

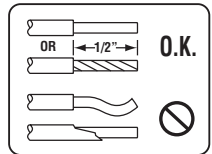
www.idealind.com

**ND 9495-1**

Models 88 & 90 are Made in Japan.

Model 87 is Made in China.

### Wire/Strip Length



### Insertion

