

# GB-6 WireGard™

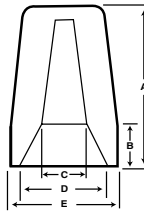
DS-0005



## WireGard™ Electrical Wire Connector GB-6 (Red)

### DIMENSIONS

|      |      | A      | B     | C     | D     | E     |
|------|------|--------|-------|-------|-------|-------|
| GB-6 | (in) | 1-1/16 | 17/64 | 21/64 | 17/32 | 21/32 |
|      | (mm) | 27     | 6.8   | 8.3   | 13.5  | 16.7  |



### APPLICATION

Use GB-6 WireGard™ twist-on wire connector in general purpose applications of 2 or more copper wires. GB-6 connectors feature side knurling for easy grip.

### SPECIFICATIONS

WireGard™ connectors shall feature straight type shell and steel inner spring and be suitable for connecting copper wire from #18 to #10 AWG. Spring shall be plated to resist corrosion and have a square profile to provide secure contact with wires.

Connectors shall be rated for use with 600 V building wire / 1000 V lighting applications plus be UL listed and CSA certified for applications up to 105 °C. WireGard™ connectors must have few turns to meet required torque, meet or exceed UL pull out and dielectric test requirements.

### INSTALLATION INSTRUCTIONS

- Strip wire 7/16" (11.1 mm). For 16 and 18 gauge stranded wires, strip 1/2" (12.7 mm).
- Pretwisting unnecessary. Hold stripped wires together with ends even. (Lead stranded wires slightly).
- Align any frayed strands or conductors.
- Screw on connector; push wires firmly into connector when starting.
- To be sold only with installation instructions.

**⚠ WARNING: Shut off power before working on a circuit. approved materials and conform to all electrical codes.**

### CONSTRUCTION

**Shell:** Polypropylene, Color - Red  
**Innerspring:** Zinc plated, square profile steel wire  
**Temperature Rating:** 105 °C (221 °F)

### WIRE RANGE

#18 to #10 AWG Solid or Stranded conductors  
 Copper conductors only, 600 V max. building wire;  
 1000 V max. for lighting fixtures and luminaries/signs

### REGULATORY APPROVALS

UL: List for pressure type wire connectors per UL 486C, file number 61X5. UL94V-2 flame retardant.



### WIRE COMBINATIONS

LISTED FOR USE WITH: COPPER TO COPPER  
 Temperature rating: 105 °C (221 °F) Listed as a PRESSURE TYPE wire connector for the following solid and/or stranded wire connections:

|   |                            |
|---|----------------------------|
| 600 V max. building wiring<br>1000 V max. lighting fixtures/<br>luminaires & signs. | 300 V max. building wiring |
| 1 #8  | 3 #10                      |
| 2 #10   | 6 #14                      |
| 2 - 4 #12   |                            |
| 2 - 5 #14   | 1 #10 + 3 #12              |
| 4 - 6 #16   | 1 #10 + 3 / 4 #14          |
|   | 1 #10 + 5 / 6 #16          |
| 1 #10 + 1 / 2 #12 / 14  |                            |
| 1 #10 + 1 - 4 #16   | 2 #10 + 1 / 2 #12 / 14     |
| 1 #10 + 1 - 3 #18   | 2 #10 + 1 - 3 #16 / 18     |
| 1 #12 + 1 - 4 #14   | 1 #12 + 5 #14              |
| 1 #12 + 1 - 6 #16   | 2 #12 + 3 / 4 #14          |
| 1 #12 + 2 - 4 #18   | 2 #12 + 3 #16              |
| 2 #12 + 1 / 2 #14 / 16  | 3 #12 + 1 - 3 #14, 16 / 18 |
| 2 #12 + 1 - 3 #18   | 4 #12 + 1 #14, 16 / 18     |
| 1 #14 + 3 - 6 #16   | 5 #14 + 2 #16 / 18         |