

DS-0008

2/04



### WireGard™ Electrical Wire Connector 73B Hi-Temp (Black)

#### APPLICATION

Use 73B Hi-Temp WireGard™ twist-on wire connector in general purpose applications of 2 or more copper wires. 73B Hi-Temp connectors feature side knurling for easy grip.

#### SPECIFICATIONS

WireGard™ connectors shall feature straight type shell & steel inner spring and be suitable for connecting copper wire from #22 to #14 AWG. Shell shall also be molded of nylon to achieve high temperature and corrosion resistance required in lighting applications. 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 300 V building wire plus be UL listed and CSA certified for applications up to 150 °C for high temperature lighting applications. 73B Hi-Temp connectors must have few turns to meet required torque, meet or exceed UL pull out and dielectric test requirements.

#### INSTALLATION INSTRUCTIONS

- Strip wire  $\frac{5}{16}$ " (8 mm). For 16 and 18 gauge stranded wires, strip  $\frac{3}{8}$ " (10 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. Use approved materials and conform to all electrical codes.**

#### CONSTRUCTION

**Shell:** PBT (polybutylene terephthalate), Color - Black

**Innerspring:** Zinc plated, square profile steel wire

**Temperature Rating:** 150 °C (302 °F)

#### WIRE RANGE

#22 to #14 AWG Solid or Stranded conductors

Copper conductors only, 600 V max. building wire; 1000 V max. for lighting fixtures and luminaires/signs

#### REGULATORY APPROVALS

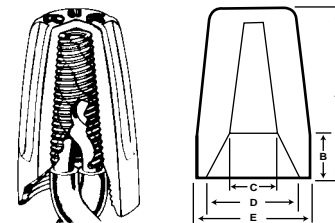
**UL:** List for pressure type wire connectors per UL 486C, file number 760R. UL94V-2 flame retardant.

**CSA:** Certified to CSA standard 22.2 No188, File LR36793



#### DIMENSIONS

Model		A	B	C	D	E
73B	(in)	$\frac{27}{32}$	$\frac{21}{64}$	$\frac{13}{64}$	$\frac{11}{32}$	$\frac{7}{16}$
	(mm)	5.6	8.3	5.2	8.7	11.1



#### LISTED WIRE COMBINATIONS

LISTED FOR USE WITH: COPPER TO COPPER Temperature rating: 150 °C (302 °F) Listed as a PRESSURE-TYPE wire connector for the following solid and/or stranded wire connections:

600 V max. building wiring	1 #16 + 1 - 3 #18	3 #18 + 1 / 2 #20 / 22	2 #14 + 1 #18
1000 V max. lighting fixtures/luminaires & signs	1 #16 + 1 - 4 #20 / 22	4 #18 + 1 #20 / 22	2 #14 + 1 - 3 #20 / 22
2 #14	2 #16 + 1 #18	1 #20 + 4 #22	1 #16 + 4 #18
2 / 3 #16	2 #16 + 1-3 #20	2 #20 + 2 / 3 #22	2 #16 + 2 / 3 #18
2 - 5 #18	2 #16 + 1 #20+1 #22	3 #20 + 1 / 2 #22	3 #16 + 1 #18
3 - 5 #20	2 #16 + 1 / 2 #22	4 #20 + 1 #22	3 #16 + 1 / 2 #20 / 22
1 #14 + 1 #16	1 #18 + 2 - 4 #20	300 V max. building wiring	4 #16 + 1 #20 / 22
1 #14 + 2 #18	1 #18 + 3 / 4 #22	4 #16	
1 #14 + 3 / 4 #20	1 / 2 #18 + 1 #20 + 1 #22	1 #14 + 2 #16	
1 #14 + 1 #22	2 #18 + 1 - 3 #20 / 22	1 #14 + 1 #18	