

DS-0006

2/04



WireGard™ Electrical Wire Connector 71B Hi-Temp (Black)

APPLICATION

Use 71B Hi-Temp WireGard™ twist-on wire connector in general purpose applications of 2 or more copper wires. 71B 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 #16 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. 71B 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 1/4" (6.4 mm). For stranded wires, strip 5/16" (7.9 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 #16 AWG Solid or Stranded conductors

Copper conductors only, 300 V max. building wire

REGULATORY APPROVALS

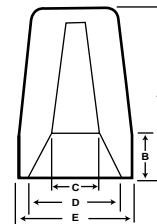
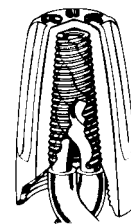
UL: List for pressure type wire connectors per UL 486C, file number 760R. UL94V-2 flame retardant.

CSA: Certified to CSA standard 22.2 No188, File LR36793



DIMENSIONS

Model		A	B	C	D	E
71B	(in)	37/64	11/64	1/8	1/4	21/64
	(mm)	14.7	4.4	3.2	6.4	8.3



LISTED 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:

300 V max. building wiring	1 #18 + 1 - 3 #20
2 #16	1 #18 + 1 #20 + 1 #22
2 / 3 #18	1 #18 + 1 - 4 #22
2 - 4 #20	2 #18 + 1 #20
3 - 5 #22	2 #18 + 1 / 2 #22
1 #16 + 1 #18 / 20	1 #20 + 2 - 4 #22
1 #16 + 1 #20 + 1 #22	2 #20 + 1 - 3 #22
1 #16 + 1 - 3 #22	3 #20 + 1 / 2 #22