

## H1 Hex-Lok® Connector

DS-0014

2/04



### Hex-Lok® Multi-range Wire Connector H1 (Tan)

#### APPLICATION

Use H1 Hex-Lok® twist-on wire connector in general purpose applications of 2 or more copper wires and where wings are needed to aid with installation torque. H1 connectors also permit installation with a 5/16" hex type socket wrench. Offset swept wings are included for added grip and installation torque.

#### SPECIFICATIONS

Hex-Lok® connectors shall feature wing type shell & steel inner spring and be suitable for connecting copper wire from #22 to #10 AWG. Shell shall have offset wings to aid with gripping and installation torque. H1 connectors shall permit installation with a 5/16" hex socket wrench. 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. Hex-Lok® connectors must have few turns to meet required torque, meet or exceed UL pull out and dielectric test requirements.

#### INSTALLATION INSTRUCTIONS

- Strip insulated wires 7/16" (11 mm). For 16 gauge stranded wires, strip 1/2" (13 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:** Polypropylene, Color - Tan

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

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

#### WIRE RANGE

#22 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

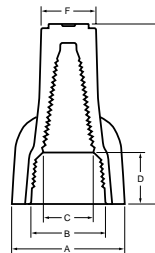
**UL:** List for pressure type wire connectors per UL 486C, file number 760R. UL94V-2 flame retardant.

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



#### DIMENSIONS

Model		A	B	C	D	E	F
H1	(in)	47/64	9/16	5/16	21/64	15/32	5/16
	(mm)	18.7	14.3	7.9	8.7	29.4	7.9



#### 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:

600 V max. building wiring	1 #8 + 1 #12	1 #10 sol + 5 #16 sol	1 / 2 #12 / #14 / #16 + 4 #18	1 / 2 #16 + 1 #20 + 1 #22
1000 V max. lighting fixtures/luminaires & signs	1 #8 + 2 #14	1 / 2 #10 / #12 + 3 #16	1 - 3 #12 / #14 / #16 + 3 #18	1 #16 + 1 #18 + 1 #22
	1 #10 + 1 / 2 #12	1 / 2 #10 + 1 / 2 #16	1 - 4 #12 / #14 / #16 + 2 #18	1 / 2 #16 / #18 / #20 + 4 #22
1 - 3 #10	1 #10 + 1 #12 + 2 #14	1 #10 + 4 #18	1 - 4 #12 / #14 / #16 + 1 #18	1 - 3 #16 / #18 / #20 + 3 #22
4 #12 sol	1 #10 + 1 / 2 #12 + 1 #14	1 / 2 #10 + 1 - 3 #18		1 - 4 #16 / #18 / #20 + 2 #22
1 - 3 #12	1 #10 + 1 #12 + 4 #16	1 #12 + 2 #14 + 2 #16	1 #14 + 5 #16	1 - 5 #16 / #18 + 1 #22
1 - 5 #14	1 #10 / #12 + 1 #14 + 3 #16	1 / 2 #12 + 1 #14 + 2 #16	1 - 3 #14 + 3 #16	
1 - 6 #16	1 #10 + 1 #12 + 1 / 2 #16	2 #12 + 3 #14	1 - 4 #14 + 2 #16	2 - 5 #20 + 1 #22
2 - 6 #18	1 #10 / #12 + 1 / 2 #14 + 1 #16	1 / 2 #12 + 2 #14	1 #14 / #16 + 5 #18	
2 - 6 #20	2 #10 + 1 #12	1 - 3 #12 + 1 #14 sol	1 / 2 #14 / #16 / #18 + 3 / 4 #20	
3 - 6 #22	1 #10 / #12 + 3 / 4 #14	1 / 2 #12 / #14 + 4 #16	1 - 3 #14 / #16 / #18 + 2 #20	
	1 / 2 #10 + 1 / 2 #14	1 - 3 #12 + 2 #16	1 - 4 #14 / #16 / #18 + 1 #20	
	1 #10 + 4 #16	1 - 4 #12 / #14 + 1 #16		