



# Series 171 thru 173

## Flat Pin-Staked Flex Jumpers

### FEATURES

- Combination of Thin, Flexible, Solid Cu Conductors Embedded between layers of Tough, Flexible, Flame-retardant Insulation

### GENERAL SPECIFICATIONS

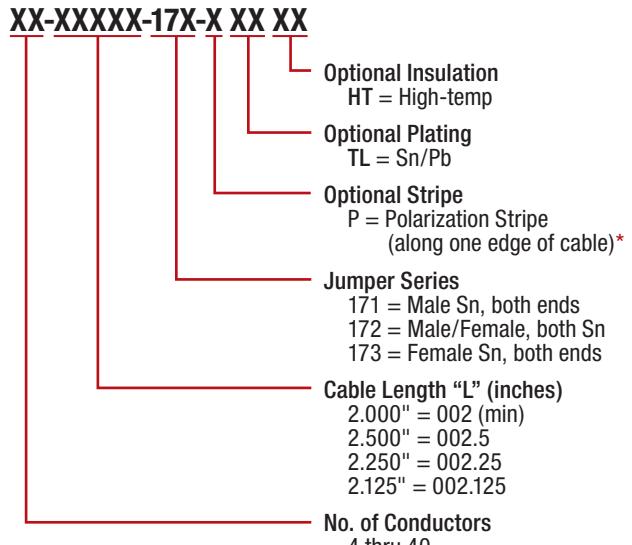
- STANDARD CABLE INSULATION:** white UL VW-1, Style 2643 flame-retardant Polyester (Mylar) adhesive
- HIGH-TEMP FLAME-RETARDANT CABLE INSULATION:** Polyimide (Kapton®) with Acrylic Adhesive
- CABLE CONDUCTORS:** solid Cu with cross-sectional area equivalent to 26-gauge AWG
- FEMALE HOUSING:** black UL 94V-0 glass-filled Stanyl® 4/6 Nylon
- CRIMP-ON PINS:** spring-tempered Cu 510
- PIN PLATING:** 100 $\mu$  [2.54 $\mu$ ] min. matte Sn per ASTM B545-97(2004)e1 over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290; -OR- 100 $\mu$  [2.54 $\mu$ ] min. Sn/Pb per SAE AMS-P-81728 over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290B
- CABLE CURRENT RATING:** 3 amps
- CABLE VOLTAGE RATING:** 300V
- CABLE DIELECTRIC STRENGTH:** 2500V/mil, min. (standard) 4000V/mil, min. (high-temp)
- CABLE INSULATION RESISTANCE:** 1000 M $\Omega$  min. (standard) 100,000 m $\Omega$  (high-temp)
- STD OPERATING TEMPERATURE:** -67 to 221°F [-55 to 105°C]
- HT OPERATING TEMPERATURE:** -67 to 257°F [-55 to 125°C]
- FEMALE HOUSING ACCEPTS LEADS:** 0.024-0.030 [0.61-0.76] square, 0.150 [3.81] long min.

### MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE:** 0.032  $\pm$ 0.002 [0.81  $\pm$ 0.05] dia.



### ORDERING INFORMATION



\* Aries reserves the right to ship with or without unless specified by customer.

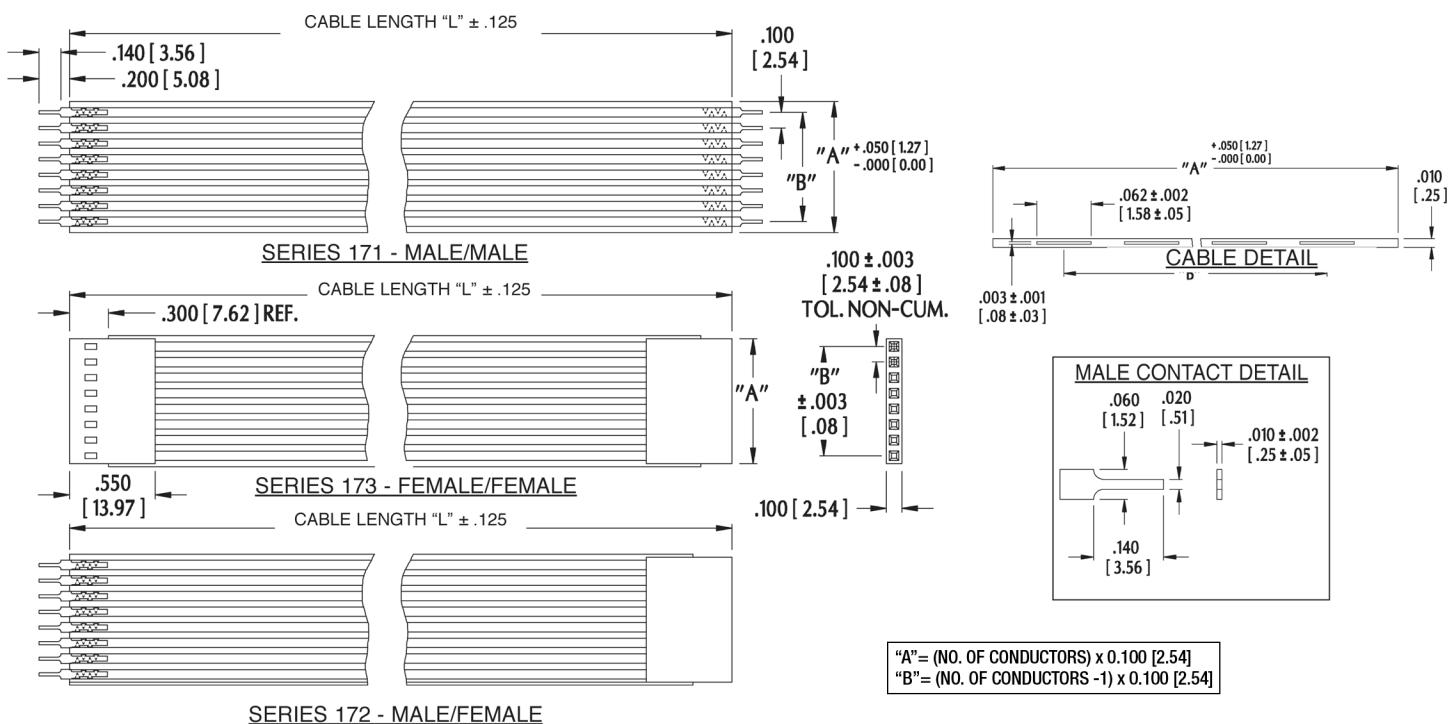
**ALL DIMENSIONS: INCHES [MILLIMETERS]**  
**ALL TOLERANCES:  $\pm$ 0.005 [0.13] UNLESS OTHERWISE SPECIFIED**  
**FOR CABLE LENGTHS UNDER 2.000 [50.80], CONSULT FACTORY**  
**FOR 90° PIN STAKED FLEX JUMPERS, SEE DATA SHEET 11019**  
**FOR RoHS APPLICATIONS, USE HT CABLE**  
**CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS**

**CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.**  
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