

# **Series 171 thru 173 Flat Pin-Staked Flex Jumpers**

### **FEATURES**

 Combination of Thin, Flexible, Solid Cu Conductors Embedded between layers of Tough, Flexible, Flameretardant Insulation

## **GENERAL SPECIFICATIONS**

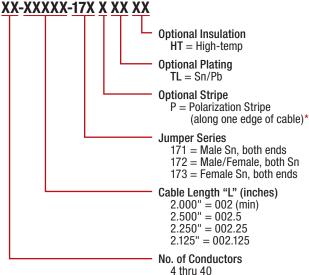
- STANDARD CABLE INSULATION: white UL VW-1, Style 2643 flame-retardant Polyester (Mylar) adhesive
- HIGH-TEMP FLAME-RETARDANT CABLE INSULATION: Polyimide (Kapton®) with Acrylic Adhesive
- CABLE CONDUCTORS: solid Cu with cross-sectional area equivalent to 26-gauge AWG
- FEMALE HOUSING: black UL 94V-0 glass-filled Stanyl® 4/6 Nylon
- CRIMP-ON PINS: spring-tempered Cu 510
- PIN PLATING: 100μ [2.54μ] min. matte Sn per ASTM B545-97(2004)e1 over 50μ [1.27μ] min. Ni per SAE AMS-QQ-N-290; -OR- 100µ [2.54µ] min. Sn/Pb per SAE AMS-P-81728 over 50μ [1.27μ] 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.







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

NOTE: Please contact the factory for price and availability of any high-temp (HT) cable larger than 20 conductors.

**ALL DIMENSIONS: INCHES [MILLIMETERS]** ALL TOLERANCES: ±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.

ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS WITHOUT NOTICE

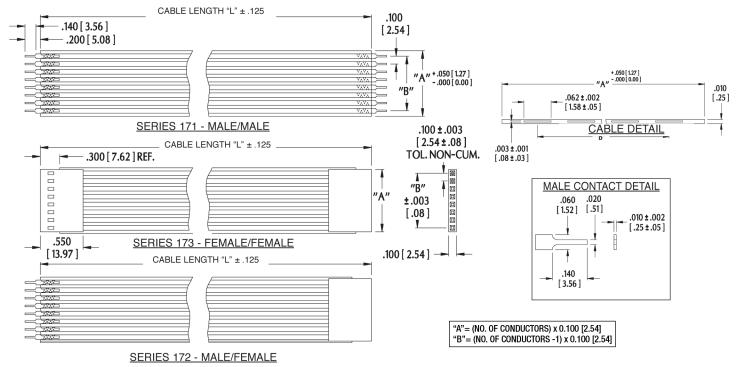
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