



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:** 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 MΩ min. (standard) 100,000 mΩ (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 ± 0.002 [0.81 ± 0.05] dia.



ORDERING INFORMATION

XX-XXXXX-17X XX

Optional Plating

TL = Sn/Pb **Special Order Only**

Jumper Series

171 = Male Sn, both ends

172 = Male/Female, both Sn

173 = Female Sn, both ends

Cable Length "L" (inches)

2.00" = 002 (min)

2.50" = 002.5

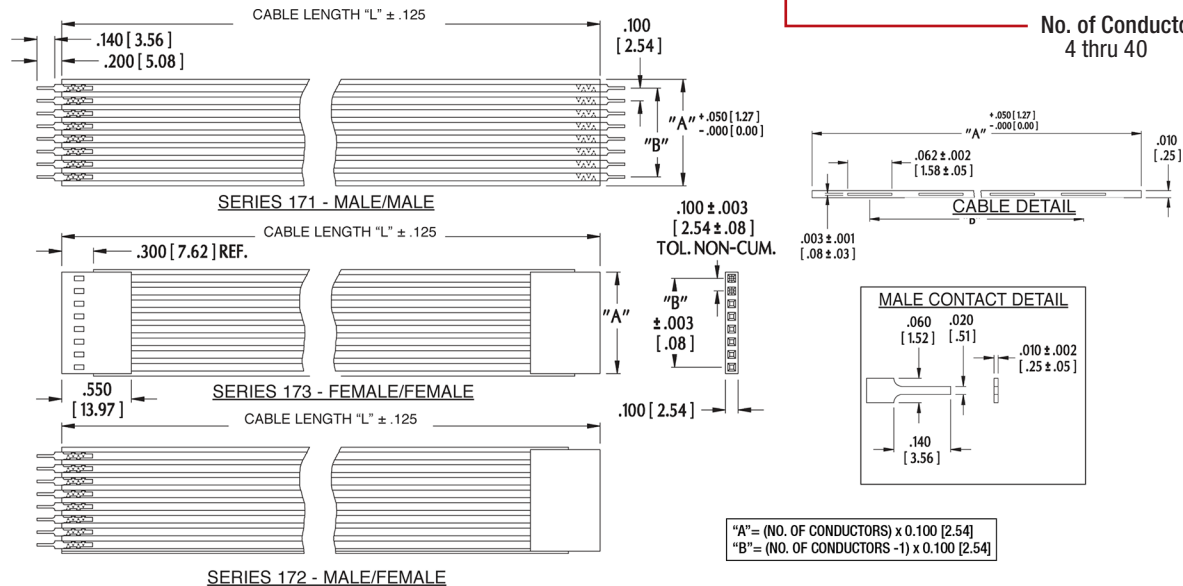
2.25" = 002.25

2.125" = 002.125

Etc.

No. of Conductors

4 thru 40



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
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

PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE
CONSIDERED UNCONTROLLED



ARIES
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA
TEL 215-781-9956 • FAX 215-781-9845
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



11005
Rev. 10.9
1 of 1