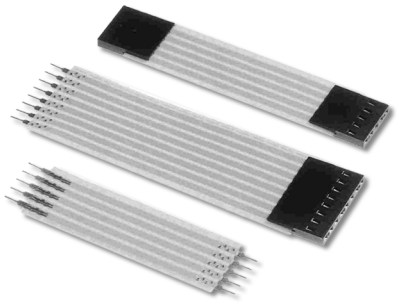
Series 171 thru 173
Flat Pin-Staked Flex Jumpers

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 X XX XX

Optional Insulation
HT = High-temp

Optional Plating
TL = Sn/Pb

Optional Stripe
P = Polarization Stripe (along one edge of cable)*

Jumper Series
171 = Male Sn, both ends
172 = Male/Female, both Sn
173 = Female Sn, both ends

Cable Length "L" (inches)
2.000" = 002 (min)
2.500" = 002.5
2.250" = 002.25
2.125" = 002.125

No. of Conductors
4 thru 40

* 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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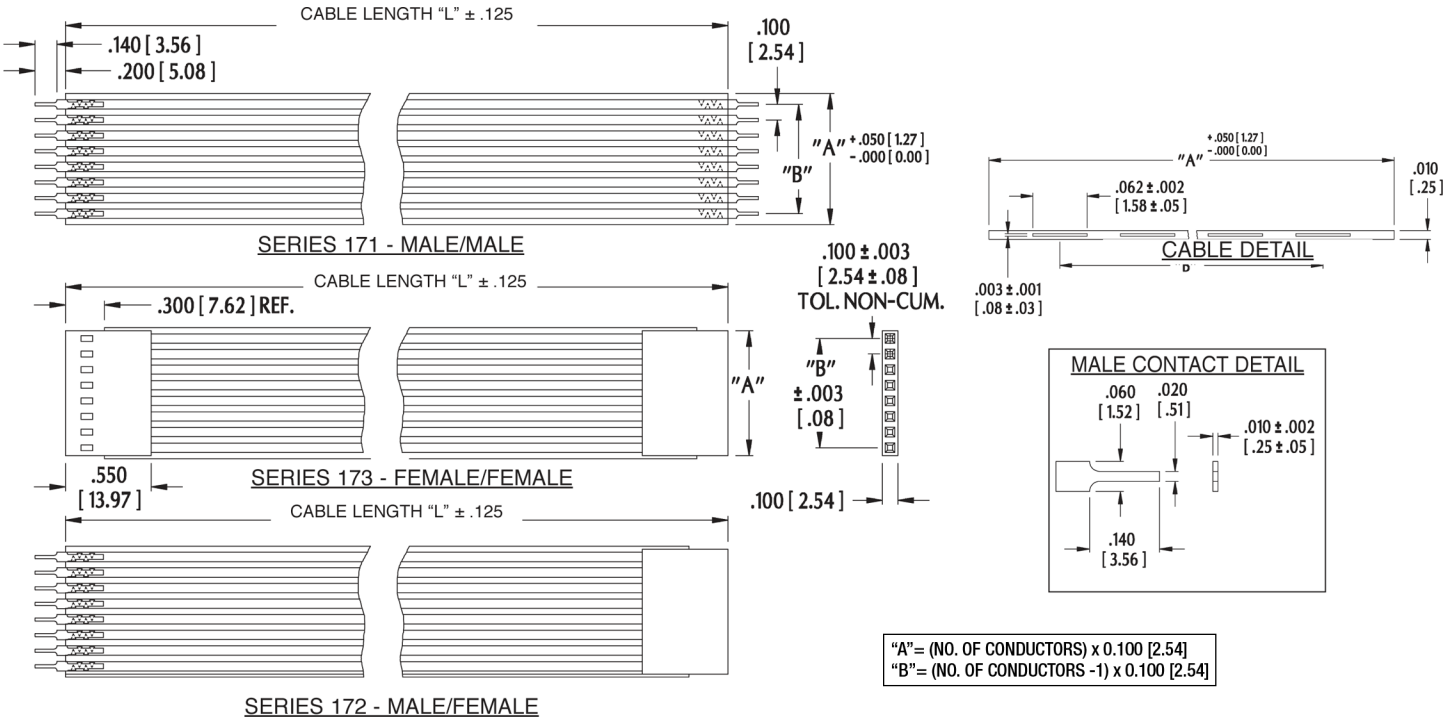
RoHS Compliant

Series 171 thru 173
Flat Pin-Staked Flex Jumpers



"A"= (NO. OF CONDUCTORS) x 0.100 [2.54]
"B"= (NO. OF CONDUCTORS -1) x 0.100 [2.54]

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