



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

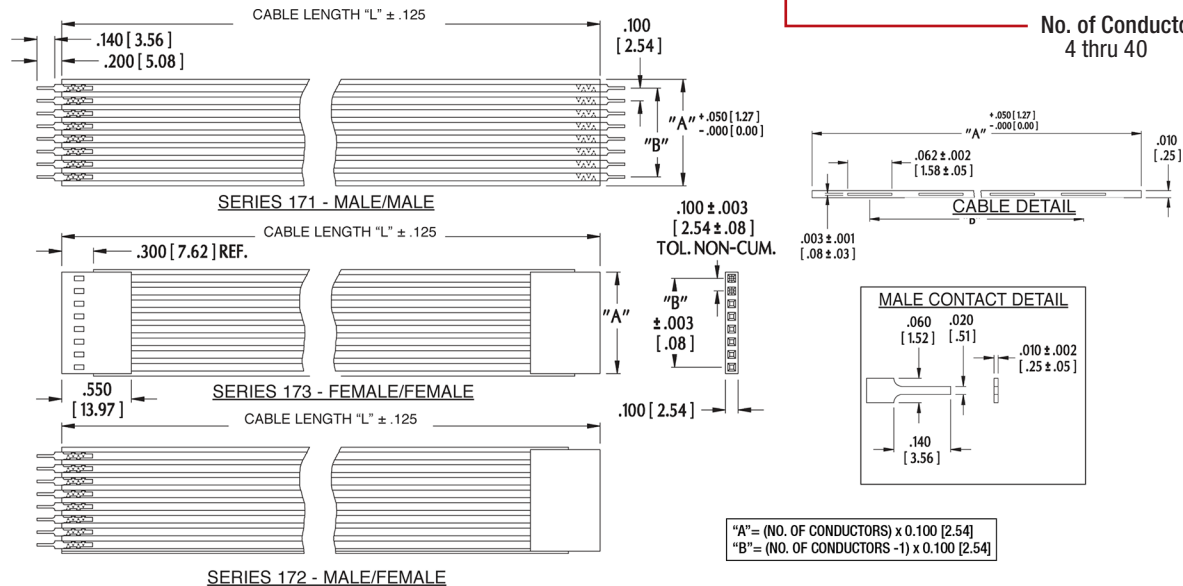
2.25" = 002.25

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.
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11005
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1 of 1

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[04-007-173](#) [06-012-172](#) [20-005-172](#) [05-010-173](#) [04-012-173](#) [04-012-172](#) [06-006-172](#) [06-006-173](#) [18-006-171](#)
[14-012-173P \(POLARIZED\)](#) [06-003-172](#) [04-008-172](#) [04-036-172P](#) [15-012-173](#) [06-002.6-172](#) [15-013.3-173](#) [06-009-](#)
[172](#) [14-003-173](#) [05-004.7-173](#) [16-006-173](#) [16-006-172](#) [12-012-171](#) [12-012-173](#) [12-012-172](#) [08-008.5-172P](#) [16-](#)
[012-172](#) [16-012-171](#) [16-012-173](#) [12-006-172](#) [12-006-171](#) [12-006-173](#) [06-002.25-172](#) [18-012-171](#) [18-012-173](#) [18-](#)
[012-172](#) [14-006-171](#) [14-006-173](#) [14-006-172](#) [10-012-173](#) [10-012-171](#) [10-012-172](#) [10-006-172](#) [10-006-173](#) [10-](#)
[006-171](#) [14-012-172](#) [14-012-173](#) [14-012-171](#) [18-006-172](#) [18-006-173](#) [17-012-173](#) [17-012-171](#) [17-012-172](#) [13-](#)
[006-173](#) [13-006-172](#) [16-020-172](#) [07-011.15-172](#) [13-012-172](#) [13-012-171](#) [13-012-173](#) [17-006-172](#) [17-006-173](#) [17-](#)
[006-171](#) [12-014-171](#) [12-014-172](#) [11-006-171](#) [11-006-173](#) [11-006-172](#) [16-002.4-172](#) [15-001.8-172](#) [15-012-172](#) [15-](#)
[012-171](#) [19-006-173](#) [19-006-171](#) [19-006-172](#) [11-012-171](#) [11-012-173](#) [11-012-172](#) [15-006-172](#) [15-006-171](#) [15-](#)
[006-173](#) [19-012-173](#) [19-012-171](#) [19-012-172](#) [24-002-172](#) [10-026-171](#) [10-032-171](#) [16-010-173P](#) [15-004-171](#) [15-](#)
[004-172](#) [16-010-172P](#) [07-008.5-172](#) [06-002.75-171](#) [13-004-172](#) [13-004-171](#) [12-004-173](#) [12-004-172](#) [16-004-173](#)
[16-004-171](#) [16-004-172](#) [10-004-173](#)