



Series 171 thru 173 Flat Pin Staked Flex Jumpers

FEATURES:

- Aries Flat Pin Staked Flex Jumpers combine thin, flexible, solid Copper conductors embedded between layers of tough, flexible, flame-retardant insulation.
- Consult factory for cable lengths under 2.000 [50.80].
- See DataSheet **11019** for 90° Pin Staked Flex Jumpers.

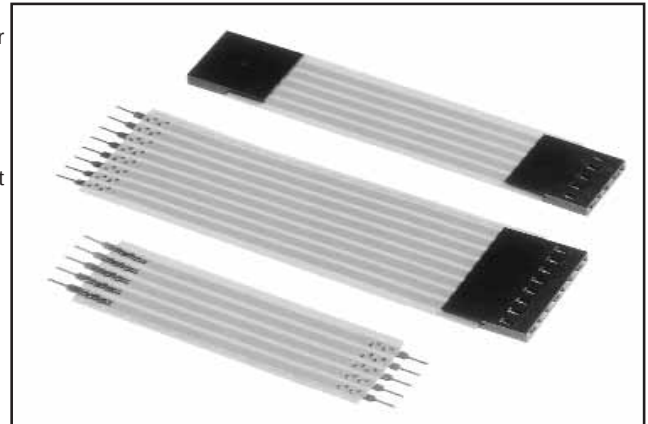
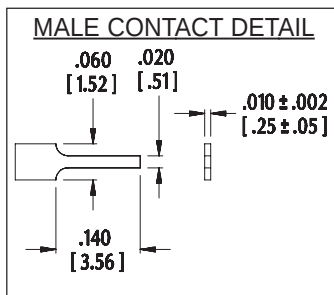
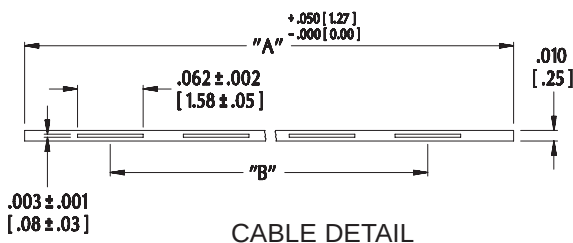
GENERAL SPECIFICATIONS:

- Standard cable insulation is white UL VW-1, Style 2643 flame retardant Polyester (Mylar) adhesive.
- High temperature flame retardant cable insulation is Polyimide (Kapton) insulation with acrylic adhesive.
- Cable conductors are solid Copper with a cross-sectional area equivalent to that of 26 gauge AWG.
- Female housing is black UL 94V-0 Glass-filled Stanyl 4/6 Nylon.
- Female and male "crimp-on" pins are spring-tempered Copper Alloy 510.
- Female and male pin plating:
 $T = 100\mu" [2.54\mu\text{m}]$ min. Matte Tin per ASTM-B545-97 over 50 $\mu"$ Min Nickel per SAE-AMS-QQ-N-290
 $TL = 100\mu" [2.54\mu\text{m}]$ min. 93/7 Tin/Lead per SAE-AMS-P-81728 over 50 $\mu"$ [1.27 μm] min. Nickel per SAE-AMS-QQ-N-290.
- Cable current rating=3 Amps.
- Cable voltage rating=300 Volts.
- Cable dielectric strength=2500 Volts/mil, minimum (standard)
 =4000 Volts/mil, minimum (high temp.).
- Cable insulation resistance=1000 MOhms minimum (standard)
 =100,000 MOhms (high temp.).
- Operating temperature=-67 to 257°F [-55 to 105°C].
- Female housing accepts leads .024-.030 [.61-.76] square, .150 [3.81] long minimum.

MOUNTING CONSIDERATIONS:

- Suggested PCB hole size=.032 ± .002 [.81 ± .05] dia.

Kapton is a registered trademark of DuPont



Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ORDERING INFORMATION

XX-XXXXX-17XXXXXX

No. of conductors
(4 thru 40)

Cable length in inches:
 Ex 2" = $-.002 - / 2.5 = .002.5$
 min cable length = 2.00 [50.80]

Optional Suffix:
 HT = High temp. cable insulation

Optional Suffix:
 TL = Tin/Lead Plating

Jumper series:
 171: male Tin both ends
 172: male Tin/female Tin
 173: female Tin both ends

Optional Suffix:
 P= polarization stripe along one edge of cable**

** Aries reserves the right to ship with or without a polarization stripe unless otherwise specified by the customer

ARIES
 ELECTRONICS, INC.
<http://www.arieselec.com> • info@arieselec.com

NORTH AMERICA
 Frenchtown, NJ USA
 TEL: (908) 996-6841
 FAX: (908) 996-3891



EUROPE
 TEL: +44 870 240 0249
 FAX: +44 871 919 6033
europa@arieselec.com



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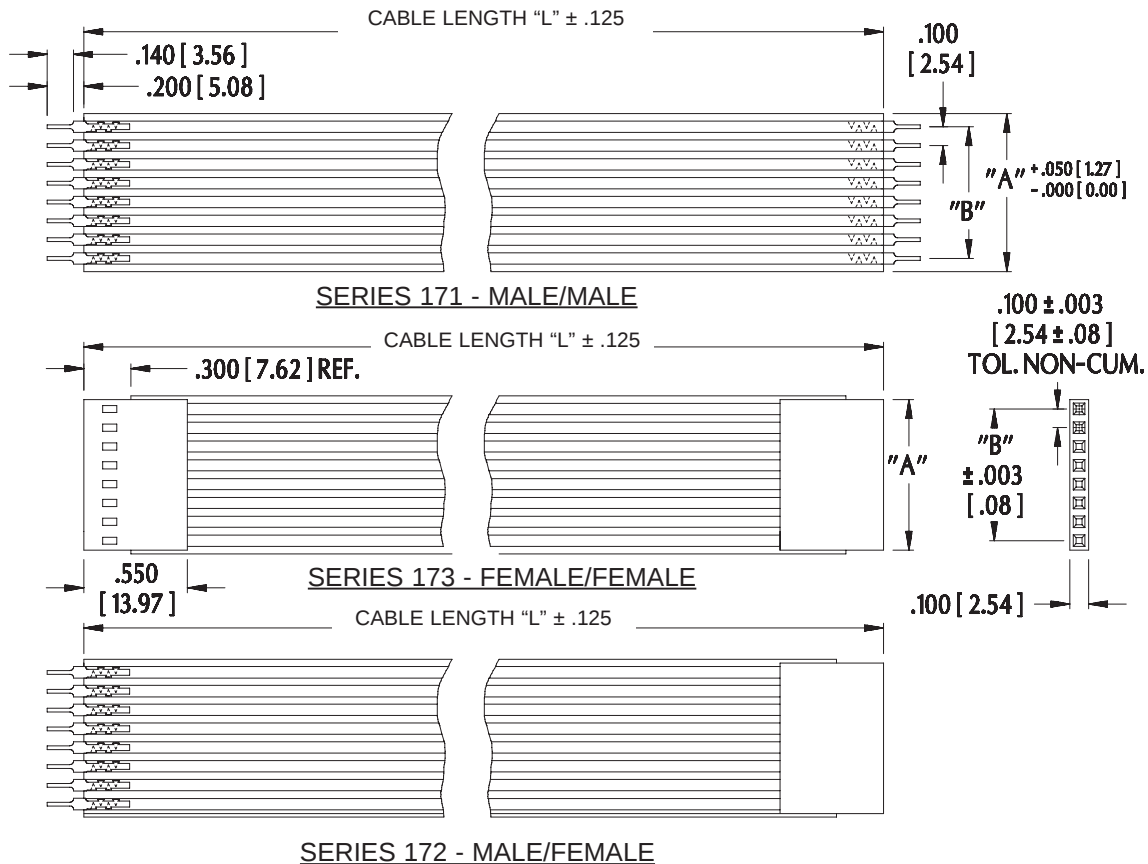
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ALL DIMENSIONS: INCHES [MILLIMETERS]

"A"=NO. OF CONDUCTORS X .100 [2.54]

"B"=(NO. OF CONDUCTORS -1) X .100 [2.54]

All Tolerance $\pm .005$ [.13]
unless otherwise specified



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FAX: (908) 996-3891



EUROPE
TEL: +44 870 240 0249
FAX: +44 871 919 6033
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