

Series 181 thru 183 90° Pin-Staked Flex Jumper

FEATURES

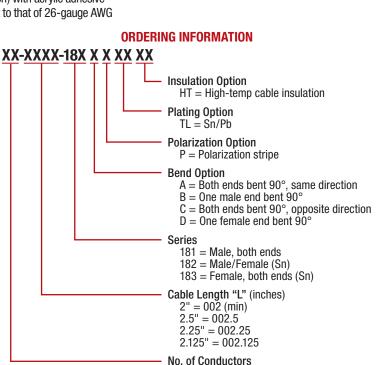
 Combination of Thin, Flexible, Solid Cu Conductors embedded between layers of Tough, Flexible, Flameretardant Insulation

GENERAL SPECIFICATIONS

- STANDARD CABLE INSULATION: White UL VW-1, Style 2643 Flame-retardant Polyester (Mylar) adhesive
- HT CABLE INSULATION: High-temp, Flame-retardant Polyimide (Kapton) with acrylic adhesive
- · CABLE CONDUCTORS: Solid Cu with a cross-sectional area equivalent to that of 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 min. Ni per ASTM AMS-QQ-N-290 –OR– 100µ [2.54µ] min. 93/7 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)
- CONDUCTOR/CONTACT RESISTANCE (avg.): 20 m Ω initial (max. 20 m Ω increase) based on a 2" cable at 20°C
- STD OPERATING TEMPERATURE: -67 to 221°F [-55 to 105°C]
- HT OPERATING TEMPERATURE: -67 to 257°F [-55 to 125°C]
- ACCEPTS LEADS (female housing): 0.024-0.030 [0.61-0.76] square, 0.150 [3.81] long min.

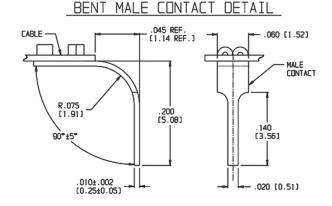
MOUNTING CONSIDERATIONS

• SUGGESTED PCB HOLE SIZE: 0.033 ± 0.002 [0.86 ± 0.05] dia.



(4 thru 40)

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 MAY SHIP WITH OR WITHOUT POLARIZATION STRIPE UNLESS SPECIFIED 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.

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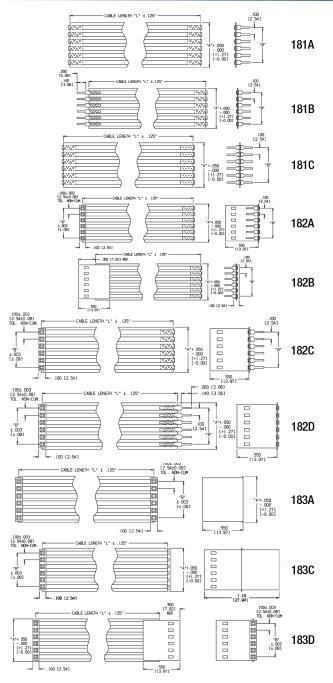
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"A"= NO. OF CONDUCTORS x 0.100 [2.54] "B"= (NO. OF CONDUCTORS -1) x 0.100 [2.54]

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11019 Rev. 11.4 2 of 2