Series 181 thru 183
90° Pin-Staked Flex Jumper

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
- 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 mΩ initial (max. 20 mΩ 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.

ORDERING INFORMATION
XX-XXXX-18X X XX
- Insulation Option
  - HT = High-temp cable insulation
- Plating Option
  - TL = Sn/Pb Special Order Only
- Bend Option
  - A = Both ends bent 90°, same direction
  - B = One male end bent 90°
  - C = Both ends bent 90°, opposite direction
  - D = One female end bent 90°
- Series
  - 181 = Male, both ends
  - 182 = Male/Female (Sn)
  - 183 = Female, both ends (Sn)
- Cable Length “L” (inches)
  - 2” = 002 (min)
  - 2.5” = 002.5
  - 2.25” = 002.25
  - 2.125” = 002.125
- No. of Conductors
  - (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

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