



Clincher™

Connector System for Flexible Circuitry - 0.100" (2.54 mm) Pitch



Clincher is a two piece, pin and receptacle connector system with features to optimize reliability at the termination and disconnectable interface.

Use 0.100" (2.54mm) Flat Flex Cable

Features:

"Clincher" Cable termination provides four gas-tight, contamination-free contact points to each conductor • High reliability receptacle design features FCI Mini PV™ dual-metal, mating contacts • Contacts are pre-loaded to connector housings enabling mass termination to unprepared cable; Fast production speed reduces costs.

Material:

Housings: Polypropylene UL 94 V-0 Blue

Electrical Performance:

• Contact Resistance (LLCR) Main Contacts: 10mΩ maximum; 20mΩ maximum after environmental exposure • Insulation Resistance: 5000MΩ minimum • Withstanding Voltage: 1000 VAC RMS • Current Rating: 2.0 amp continuous per contact

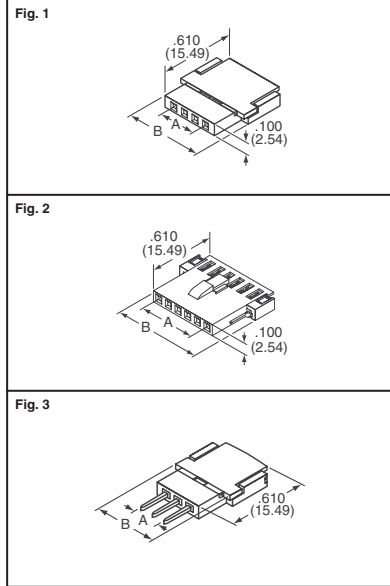


Table with columns: Fig., No of Positions, Dimensions - Inch (mm) A, B, Digi-Key Part No., Price Each (1, 25, 100), FCI Part No. Rows include Receptacles, Receptacle With Latch, Pin Connectors, and Tool.

A



.050" (1.27mm) Flat Flex Cable



Material:

• Insulation: Flame retardant polyester film

Performance Characteristics:

• Current Rating: 1.5 amperes (30AWG equivalent) • Voltage Rating: 300V • Temperature Rating: -55°C - 105°C • Insulation Flammability: Polyester, self-extinguishing per UL Flame Test VW-1 • Dielectric Strength: 2500V/MIL

Typical Electrical Values:

• Resistance: 110Ω/1000 feet (304.8 meters) maximum • Capacitance: 13.8 pF/ft (maximum) • Impedance: 113Ω

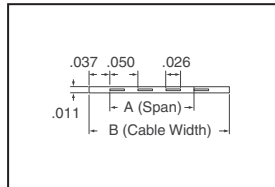


Table with columns: No. of Contacts, Dimensions Inch (mm) A, B, Digi-Key Part No., Pricing 500 Ft. Rows include AE04-500-ND to AE25-500-ND.

.100" (2.54mm) Flat Flex Cable



Material:

• Conductors: Unplated copper per QQ-C502 • Insulation: Flame retardant polyester film

Performance Characteristics:

• Current Rating: 2 amperes (28AWG equivalent) • Voltage Rating: 300V • Temperature Rating: -55°C - 105°C • Insulation Resistance: 5000MΩ (minimum) • Insulation Flammability: Polyester, self-extinguishing per UL Flame Test VW-1 • UL Style 2643

Typical Electrical Values:

• Resistance: 55Ω/1000 feet (304.8 meters) maximum • Capacitance: 10.8 pF/ft (maximum) • Impedance: 128Ω

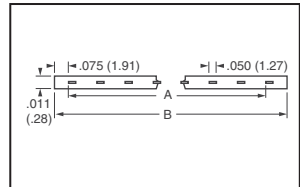


Table with columns: No. of Contacts, Dimensions Inch (mm) A, B, Digi-Key Part No., Pricing 500 Ft. Rows include AF02-500-ND to AF20-500-ND.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783