Premo-Flex™
Reference Guide

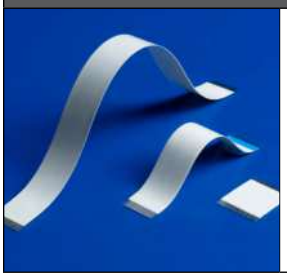
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The complete line of 0.50, 1.00 and 1.25mm pitch flat flex cable (FFC) jumpers, available in cable thickness options of 0.12, 0.22 and 0.27mm, offers standard lengths, pitches and circuit sizes to solve complex board-to-board interconnection challenges in compact/hard to reach applications.

Premo-Flex FFC jumpers in ultra-thin, ultra-flexible 0.12mm cable have an extended flex life of 2 million cycles vs. standard jumper flex life of 10,000 cycles. Premo-Flex polyimide jumpers with etched-copper circuitry achieve the tight-tolerances required for reliable connections to fine pitch, 0.30mm microminiature connectors, that standard copper wire FFC jumpers cannot. Off-the-shelf Premo-Flex FFC and etched polyimide jumpers avoid custom tooling costs and reduce lead-times. In addition, Molex can also accommodate custom requirements for jumpers in lengths of over 305mm.

Premo-Flex FFC and etched polyimide jumpers are terminated to Zero Insertion Force (ZIF), non-ZIF or Low Insertion Force (LIF) FFC connectors, available from Molex. Type A (same-side) and Type D (opposite-side) contact layouts allow for mirrored contacts in top- and bottom-mount applications.

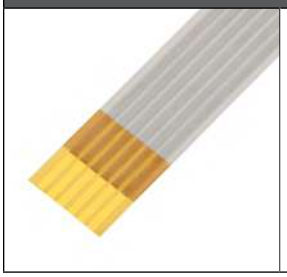
PREMO-FLEX - STANDARD

	Pitch	Series	Description
	0.50, 1.00, 1.25 and 2.54mm	15166, 15167, 15168, 98266, 98267, 98268, 15266, 15267, 15268, 15020, 15039 and 15049	Available in numerous circuit sizes (4 to 60) and custom lengths providing limitless design-in options Contact area can be configured on the same or opposite sides of the flexible cable jumper Rated up to +105°C meeting industry-standard requirements Simple assembly process, ideal for electrical connections between PCBs, display boards, etc. Various cable termination thicknesses meeting industry-standard ZIF connector requirements Polyester insulation that meets Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) requirements

PREMO-FLEX ROUND FLAT CABLE (RFC)

	Pitch	Series	Description
	1.00, 1.25, 1.27, 2.00, 2.54 and 5.08mm	15061, 15062, 15063, 15064, 15065 and 15066	Available in numerous circuit sizes: 1.00, 1.25 and 1.27mm = 50-circuits max; 2.00mm = 37-circuits max.; 2.54mm = 32-circuits max. Contact area can be configured on the same or opposite sides of the flexible cable jumper Rated up to +125°C meeting industry-standard requirements Simple assembly process, ideal for electrical connections between PCBs, display boards, etc. Various cable termination thicknesses meeting industry-standard ZIF connector requirements Polyester insulation that meets Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) requirements

PREMO-FLEX HOT BAR SOLDER

	Pitch	Series	Description
	0.50, 1.00, and 1.25mm	15066, 10567 and 15068	Solder directly on to the board for better signal integrity Flat design for flexibility (can be folded and bent) and resistance to virbrations Rated up to +105°C, ideal for wave-soldering applications

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ETCHED POLYIMIDE

	Pitch	Series	Description
	0.30MM	15015	Etched-copper polyimide circuitry achieving tight tolerances required for reliable connections with microminiature FPC connectors Polyimide substrate made of high-temperature material Available in eight different circuit sizes and five standard lengths Rated up to +105°C meeting industry-standard requirements Ensures simple ZIF assembly process ideal for microminiature electrical connections between PCB's, display boards, etc.

Applications

Automotive
- Radio, CD, DVD, GPS device
- LCD display
- Keyboard
- Moveable units

Consumer
- Set top box
- Camcorder
- Plasma display

Computer
- Notebook
- Printer
- Scanner
- Keyboard
- LCD flat panel

Industrial

Medical Equipment

Military

Home Appliance
- Control Panels


LCD Display


Projector


Notebook

www.molex.com/product/premoflex_ffc-fpc.html

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