

**Choose from custom or standard cable lengths with Molex's Premo-Flex™ Flat Flexible Cable Jumpers, available in a variety of pitches plus high-temperature ratings up to +105°C, delivering flexible solutions between PCBs for virtually any industry**

The complete line of 0.50, 1.00 and 1.25mm (.020, .039 and .049") pitch Flat Flex Cable (FFC) jumpers offers custom lengths and circuit sizes to accommodate a flexible interconnect between two PC boards. The Flat Flex jumpers are terminated to either Zero Insertion Force (ZIF) or non-ZIF FFC connectors, available from Molex.

Molex offers an extensive range of FFC connectors and is able to design customized FFC connectors due to customer requirements. Type A (same-side) and Type D (opposite-side) contact layouts allow for mirrored contacts in top and bottom mount ZIF applications.

For additional information visit:  
[www.molex.com/product/product/premoflex\\_ffc-fpc.html](http://www.molex.com/product/product/premoflex_ffc-fpc.html).

**FEATURES AND BENEFITS**

- Available in numerous circuit sizes (4 to 60) and custom lengths providing flexible design-in options
- Contact area can be configured on the same or opposite sides of the flexible cable jumper that mirrors signal layout between PCBs
- Rated up to +105°C meets industry- standard requirements
- Simple assembly process is ideal for electrical connections between PCBs, display boards, etc.
- Cable termination thickness compatible with industry-standard ZIF cable thickness requirements with 0.27mm (.011") cable thickness provides improved ease-of-assembly in hard-to-reach applications and is easy to incorporate into current applications where a lower-temperature part may have been utilized in previous revisions
- Polyester insulation meets Registration Evaluation, Authorization and Restriction of Chemicals (REACH) requirements

**SPECIFICATIONS**

**Reference Information**

Packaging: Box  
 UL Style No: 20706  
 Flame Resistance: UL 758 VW-1  
 RoHS: Yes  
 Halogen Free: Yes

**Electrical**

Voltage (max.): 60V  
 Current (max.):  
 0.50mm (.020") Pitch — .5A  
 1.00mm (.039") Pitch — 1.2A  
 1.25mm (.049") Pitch — 1.4A  
 Conductor Resistance:  
 730 ohms per km. max.  
 Insulation Resistance:  
 10 Megohms per km. min.  
 Dielectric Test:  
 200V AC for 1 minute, no disrupted discharge

**Physical**

Temperature Rating: -40 to +105°C  
 Heat Resistance: 168 hours at +136°C  
 Moisture Resistance:  
 96 hours at +60°C,  
 95% Relative Humidity (RH)  
 Folding:  
 Specimen to be folded manually at +180° over a 4.00mm (.157") radius, min. 20 cycles

**Premo-Flex™ Flat Flex Cable Jumpers**

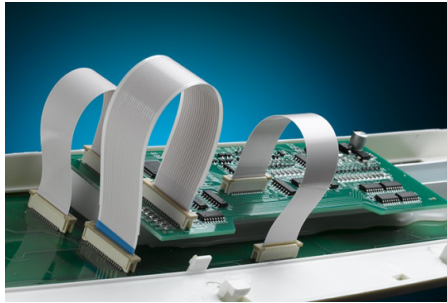
- 15266 Tin, 0.27mm (.011") Cable Thickness, 0.50mm (.020") Pitch, 105°C
- 15267 Tin, 0.27mm (.011") Cable Thickness, 1.00mm (.039") Pitch, 105°C
- 15268 Tin, 0.27mm (.011") Cable Thickness, 1.25mm (.049") Pitch, 105°C
- 15020 Gold, 0.27mm (.011") Cable Thickness, 0.50mm (.020") Pitch, 105°C
- 15039 Gold, 0.27mm (.011") Cable Thickness, 1.00mm (.039") Pitch, 105°C
- 15049 Gold, 0.27mm (.011") Cable Thickness, 1.25mm (.049") Pitch, 105°C
- 98266 Tin, 0.22mm (.009") Cable Thickness, 0.50mm (.020") Pitch, 105°C
- 98267 Tin, 0.22mm (.009") Cable Thickness, 1.00mm (.039") Pitch, 105°C
- 98268 Tin, 0.22mm (.009") Cable Thickness, 1.25mm (.049") Pitch, 105°C
- 21020 Tin, 0.27mm (.011") Cable Thickness, 0.50mm (.020") Pitch, 80°C
- 21039 Tin, 0.27mm (.011") Cable Thickness, 1.00mm (.039") Pitch, 80°C
- 21049 Tin, 0.27mm (.011") Cable Thickness, 1.25mm (.049") Pitch, 80°C



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## APPLICATIONS

- Automotive
  - Radio, CD, DVD, GPS devices
  - LCD displays
  - Keyboards
  - Moveable units
- Consumer
  - Set top boxes
  - Camcorders
  - Plasma displays
- Computer
  - Notebook
  - Printer
  - Scanner
  - Keyboards
  - LCD flat panels
- Industrial
- Medical Equipment
- Military



*Appliance Control Panel*



*Automotive Electronics*



*Surgery Lamp*

## Premo-Flex™ Flat Flex Cable Jumpers

## ORDERING INFORMATION

Order No.	Plating	Temperature Rating Max.	Pitch	Circuits	Contact Type	Length	Cable Thickness			
15020-0051	Gold	+105°C	0.50mm (.020")	6	A	0.03m (1.18")	0.27mm (.011")			
15039-0202			1.00mm (.039")		D					
15049-0102			1.25mm (.049")							
15266-0052	0.50mm (.020")		A					0.22mm (.009")		
15267-0202	1.00mm (.039")									
15268-0102	1.25mm (.049")									
98266-0051	Tin		+80°C		0.50mm (.020")		6	A	0.03m (1.18")	0.27mm (.011")
98267-0202					1.00mm (.039")			D		
98268-0102					1.25mm (.049")					
21020-0051		0.50mm (.020")		A	0.27mm (.011")					
21039-0202		1.00mm (.039")								
21049-0102		1.25mm (.049")								