

# Premo-Flex Flat Flexible (FFC) Cable Jumpers >

Delivering durable and extra-flexible PCB-connection solutions, standard and custom Premo-Flex Flat Flexible (FFC) Cable Jumpers are available in a variety of pitches, cable lengths, thicknesses and formats for use in virtually any industry

## FEATURES AND ADVANTAGES

**Available in numerous circuit sizes (4 to 60) and custom lengths**  
Delivers design flexibility

### Extra flexible 0.12mm cable option

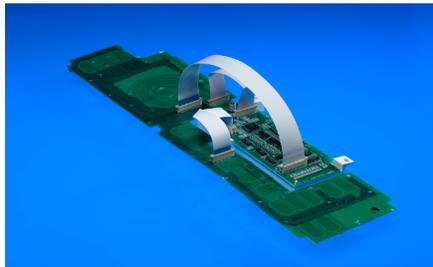
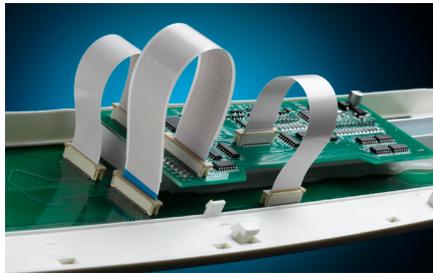
Extends life of cable:  
900,000 cycles vs. standard jumper flex life of 6,000 cycles

### Rated up to +105°C

Meets industry-standard requirements

### Simple assembly process

Is ideal for electrical connections between PCBs and display boards



*Premo-Flex Flat Flexible Jumpers*



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**Contact area can be configured on the same or opposite sides of the flexible cable jumper**

Cable mirrors signal layout between PCBs

### Polyester insulation

Meets Registration Evaluation, Authorization and Restriction of Chemicals (REACH) requirements

### Various cable termination thicknesses

Meets industry-standard ZIF connector requirements. Affords ease-of-assembly in hard-to-reach applications

**Terminated to zero-insertion force (ZIF), non-ZIF or low-insertion force (LIF) FFC connector available from Molex**

Eases procurement processes by making connectors and cable jumpers available from the same vendor

## MARKETS AND APPLICATIONS

### Medical

Patient monitoring  
Surgical equipment  
Telehealth

### Consumer

Gaming machines  
Home security systems  
Home entertainment systems  
GPS  
Tablets

### Data/Computing

Copiers  
Optical disk drives

### Automotive

Audio and navigation systems  
Comfort features  
Infotainment systems



*Smartphones and Tablets*



*Automotive Infotainment*



*Patient Monitoring Device*

# Premo-Flex Flat Flexible (FFC) Cable Jumpers

## SPECIFICATIONS

### Reference Information

Packaging: Box  
 UL Style No: 20706 (Copper Wire)  
 Flame Resistance: UL 758 WV-1  
 Mates With: 0.30mm Pitch FPC Connectors, Series 502598  
 Designed In: Millimeters  
 RoHS: Yes  
 Halogen Free: Yes

### Electrical

Voltage (max.): 60V AC/DC  
 Current (max.):  
 0.50mm Pitch — 0.5A  
 1.00mm Pitch — 1.2A  
 1.25mm Pitch — 1.4A  
 Dielectric Withstanding Voltage: 200V AC for 1 Minute, no Disrupted Discharge  
 Insulation Resistance (min.): 10 Megohms per km  
 Conductor Resistance (min.): 730 Ohms per km

### Mechanical

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°C over a 4.00mm radius, min. 20 cycles

## ORDERING INFORMATION

Series No.	Plating	Cable Thickness (mm)	Flex Life	Pitch (mm)	Temp. Rating Max. (°C)	Circuits	Contact Layout Type	Cable Lengths				
<a href="#">15166</a>	Tin	0.12	2.5M	0.5	105	6 to 60	A or D	Standard lengths 30.00 up to 305.00mm. Custom lengths greater than 305.00mm available				
<a href="#">15167</a>				1								
<a href="#">15168</a>				1.25								
<a href="#">98266</a>		0.22	100K	0.5		6 to 50						
<a href="#">98267</a>				1								
<a href="#">98268</a>				1.25								
<a href="#">15266</a>		Gold	0.27	10K		0.5			105	4 to 50	A or D	Standard lengths 30.00 up to 305.00mm. Custom lengths greater than 305.00mm available
<a href="#">15267</a>						1						
<a href="#">15268</a>						1.25						
<a href="#">15020</a>	0.5				6 to 50							
<a href="#">15039</a>	1											
<a href="#">15049</a>	1.25				4 to 50							

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