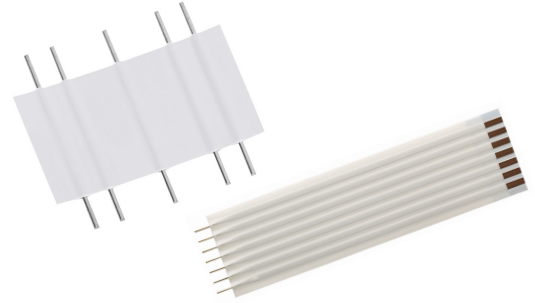


# PREMO-FLEX ROUND FLAT CABLE (RFC) JUMPERS

Delivering durable, low-cost direct-to-PCB connections for virtually any industry, Premo-Flex Round Flat Cable (RFC) Jumpers are available in a variety of pitches, circuit sizes and terminations.



## FEATURES AND ADVANTAGES

Round flat cable design

Delivers superior signal integrity and high resistance to vibration and bending. Ideal for rugged applications with space limitations.

Direct connection to PCBs with simple assembly process utilizing wave solder

Reduces costs by eliminating need for connectors or wire stripping. Ideal for electrical connections between PCBs, display boards, etc. in high-vibration applications.

Hybrid terminations: zero insertion force (ZIF) or low insertion force (LIF) to through-hole soldering with round-to-flat or round throughout format options; custom pre-folds available

Enables design flexibility with multiple options that support interchange to different PCBs.

Polyester, aramid and polyimide insulation options

Meets Registration Evaluation, Authorization and Restriction of Chemicals (REACH) requirements. Withstands high temperatures: polyester up to +105°C; polyimide and aramid up to +125°C.

## APPLICATIONS

### Automotive

Radio, CD, DVD, GPS devices  
LCD displays  
Keyboards  
Moveable units

### Consumer/Home Appliances

Handheld devices  
Set top boxes  
Camcorders  
Plasma displays

### Data/Computing

Notebooks  
Printers  
Scanners  
Keyboards  
LCD flat panels

### Industrial

Medical  
Aerospace and Defense



## SPECIFICATIONS

### Reference Information

Packaging: Box  
UL certification on request  
RoHS: Yes  
Direct-Solder to PCB: Yes

### Electrical

Voltage (max.): 60V for pitches: 1.00, 1.25, 1.27mm  
Voltage (max.): 300V for pitches: 2.00, 2.54, 5.08mm  
Current rating at 20°C:  

- 1.00mm Pitch — 1.0A
- 1.25 and 1.27mm Pitch — 1.6A
- 2.00mm Pitch — 2.0A
- 2.54mm Pitch — 3.0A
- 5.08mm Pitch — 3.0A

### Physical

Plating Material: Tin  
Temperature Rating: -40 to +125°C  
Insulation Tape Temperature ratings:  

- Polyester: +105°C
- Aramid: +125°C
- Polyimide: +125°C

## ORDERING INFORMATION

Standard Product	Pitch (mm)	Pin Diameter (mm)	Flat Conductor Thickness (mm)	Flat Conductor Width (mm)	Wire Gauge (AWG)	Circuits (max.)	Mates with Connector Series for Hybrid RFC
15061	1.00	0.32	0.12	0.70	28	50	52207, 52271, 52610, 52808, 52793, 52852, 52806, 52807
15062	1.25	0.32	0.10	0.80	28	50	N/A
15063	1.27	0.32	0.10	0.80	28	50	N/A
15064	2.00	0.40	0.10	1.30	26	37	N/A
15065	2.54	0.51	0.12	1.50	24	32	N/A

Custom Product	Pitch (mm)	Pin Diameter (mm)	Flat Conductor Thickness (mm)	Flat Conductor Width (mm)	Wire Gauge (AWG)	Circuits (max.)
Custom	5.08	0.51	0.12	1.50	24	13

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