

Premo-Flex™ Cable Jumpers

molex®

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

The marketplace continues to demand new and smaller electronic devices that are rugged and reliable, while OEMs strive to maximize profit margins and get their products to market quickly. Premo-Flex™ capable jumpers offer an extensive range of custom and off-the-shelf options that enable designers to maximize PCB space, reduce component costs (e.g., by eliminating connectors with direct-to-board versions) and provide devices with reliable board-to-board connections.

Standard Offerings



Series: 15266
0.5 mm 4" Type A 28 circuits



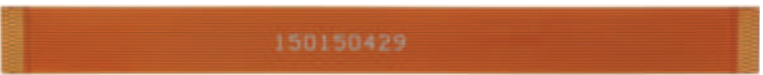
Series: 98266
0.5 mm 4" Type A 24 circuits



Series: 15166
0.5 mm 4" Type D 24 circuits



Series: 15020
0.5 mm 4" Type D 16 circuits



Series: 15015
0.3 mm 4" Type A 25 circuits

Ordering Information

Minimum Order Series	Pitch (mm)	Cable Thickness (mm)	Flex Life Cycles	Plating Materials	Temp Rating Max. °0	Circuits	Contact Layout Type	Cable Lengths	Minimum Order Quantity
15166-XXXX	0.50	0.12	2.5M	Tin	105	6 to 60	A or D	Standard lengths 30mm up to 305mm Custom Lengths available over 305mm	1000
15167-XXXX	1.00								
15168-XXXX	1.25								
98266-XXXX	0.50	0.22	100K			6 to 50			
98267-XXXX	1.00								
98268-XXXX	1.25								
15266-XXXX	0.50	0.27	10K		4 to 50				
15267-XXXX	1.00								
15268-XXXX	1.25								
15020-XXXX	0.50			Gold	6 to 50				
15039-XXXX	1.00								
15049-XXXX	1.25								
						4 to 50			

Custom Offerings

Shielded

Our shielded Premo-Flex cables offer EMI protection through two forms of shielding, foil or painted. The shielding can be grounded to multiple conductors specified by the customer. This grounding of the conductors is done by etching away the polyester jacket of the cable, exposing bare wire allowing it to come in to contact with the shielding. In addition to this, we can provide custom printing on to shielding.

1mm tin plated, foil shielded FFC
with conductors grounded to shield



0.5mm gold plated, foil shielded FFC
with conductors grounded to shield



.3mm 15015 series cable with
custom shielding and custom
printing



.5mm tin plated, painted shielding



Notched

Our various notched FFC solutions offer a more secure connection than our standard cables that mate with our ZIF and LIF connectors. The attached sample shows the complete assembly of the Molex plug jacket and cover capability; this cable can be offered as a complete assembly or a stand-alone cable. For mating connector series, please contact Molex SE or Product Manager.

.5mm Straight
LVDS



.5mm notched LVDS cable with plug jacket and cover



.5mm gold plated, notched FFC
with black PET jacket



FFC Series: RFC / Hot Bar Solder / Component Soldering

RFC (Round Flat Cables) provides a cost effective way to connect one PCB to another by the elimination of a connector. However, if a connector is needed on one end, we can offer a hybrid solution which offers round contacts at one end for through-hole soldering, and flat connection at the other end, to fit a ZIF or LIF connector. Our RFC design delivers superior signal integrity and is resistant to vibration. In addition, two types of insulation (polyester and polyimide) with custom fold options available upon request. Hot bar solder cables also provides a durable connection by permanently affixing to a PCB but also adds almost limitless design options such as: circuit, length and pitch sizes.

2.0mm RFC Aramid
insulation 125° Type C -
through hole



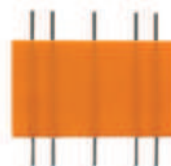
2.54mm RFC Polyester
insulation - Hybrid - Type B



Custom folded
hot bar solder



2.54mm RFC skipped
contact Polyimide insulation
round throughout



1mm exposed contact for
component soldering capabilities

