



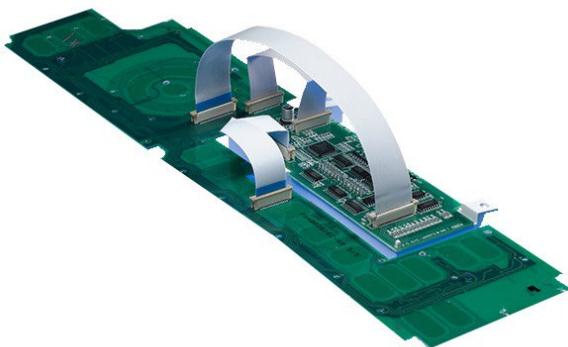
PREMO-FLEX FLEXIBLE SOLUTIONS ➤

PRODUCT OVERVIEW

Premo-Flex Flexible Solutions deliver reliable flat flexible cables (FFC) optimal for a variety of dynamic applications with an extensive range of standard off-the-shelf and custom options that enable designers to maximize PCB space, reduce component costs and ensure reliable connections.

SOLVING INDUSTRY CHALLENGES

INDUSTRY CHALLENGE	PRODUCT SOLUTION
FLEXIBLE OPERATION Designers need reliable and highly flexible connections for dynamic applications.	Premo-Flex Flexible Solutions offer robust connectivity in an FFC with compact Easy-On connectors for a variety of applications.
CUSTOMIZATION AND VERSATILITY Manufacturers require proven flexible circuit solutions that can meet specific design and schedule needs.	Molex produces a wide range of custom and off-the-shelf Premo-Flex Flexible Solutions with various cable jumper lengths, circuit counts, flex cycle ratings and plating materials.
HIGHER TEMPERATURES Manufacturers are increasingly interested in cables capable of performing at +125°C.	Molex produces Premo-Flex cables that can withstand higher temperatures up to +136°C for 168 hours, making them an ideal choice for customers seeking high-performance solutions.



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PREMO-FLEX

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ADVANTAGES AND FEATURES



ENABLES VERSATILE CONFIGURATIONS

The contact area can be configured on the same side (type A) or opposite sides (type D) of the flexible cable jumper.



TERMINATES TO FULLY MATE WITH A WIDE RANGE OF MOLEX EASY-ON CONNECTORS

Zero-insertion force (ZIF), non-ZIF and low-insertion force (LIF) FFC connectors are available.



PERMITS USE IN A VARIETY OF APPLICATIONS

Product offerings range from 50,000 to 5 million flex life cycles.



INCLUDES OFF-THE-SHELF OPTIONS FOR FASTER TIME TO MARKET

Custom and off-the-shelf solutions are available to match customer performance and scheduling needs.

APPLICATION SPOTLIGHT

ENABLING DESIGN FLEXIBILITY IN A WIDE RANGE OF APPLICATIONS

Flexible and reliable board-to-board connectivity is a challenge for electronics designers. Premo-Flex Flexible Solutions from Molex offer highly flexible cable jumpers for a variety of industries including consumer, medical, automotive, datacom and industrial. Examples of applications include:

Drones	Home appliances	Vehicle infotainment systems	Printers
Handheld gaming devices	Medical monitoring devices	GPS devices	Robotics

ORDERING INFORMATION

Series	15166	15167	15168	15036	15120	98266	98267	98268	15266	15267	15268	15020	15039	15049				
Pitch (mm)	0.50	1.00	1.25	0.50	0.50	0.50	1.00	1.25	0.50	1.00	1.25	0.50	1.00	1.25				
Current (A)	0.35	0.8	0.8	0.35	0.35	0.55	1.25	1.4	0.55	1.25	1.4	0.55	1.25	1.4				
Flex Life	5M				100K				50K									
Plating	Tin			Gold			Tin				Gold							
Max. Voltage	60V AC																	
Temperature	-40 to +105°C				-40 to +125°C				-40 to +105°C									

www.molex.com/en-us/products/cable-assemblies/flat-flexible-cables-ffc

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