



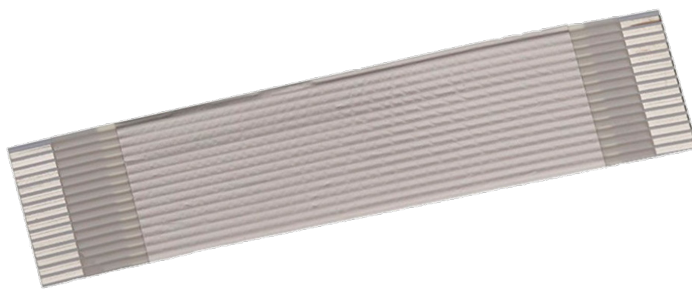
## PREMO-FLEX EMI PROTECTION SOLUTIONS >

### PRODUCT OVERVIEW

Premo-Flex Electromagnetic Interference (EMI) Protection Solutions provide flat flexible cables (FFCs) that are ideal for high-performance or critical applications. Molex's extensive selection of standard off-the-shelf and customizable options helps ensure signal integrity by suppressing interference from disturbing or noisy electronics.

### SOLVING INDUSTRY CHALLENGES

INDUSTRY CHALLENGE	PRODUCT SOLUTION
<b>SIGNAL INTEGRITY</b> Electromagnetic interference (EMI) can introduce noise into signal pathways, leading to data corruption or signal loss.	Premo-Flex EMI Protection Cables help maintain signal integrity by minimizing interference, ensuring that data transmission remains reliable and accurate with first and last pins grounded.
<b>IMPROVED RELIABILITY</b> Manufacturers require proven flexible circuit solutions that can meet specific design needs in critical applications.	Molex Premo-Flex EMI Protection Cables reduce the risk of EMI-related failures and enhance the overall reliability and durability of electronic systems.



# PREMO-FLEX EMI PROTECTION SOLUTIONS

## FEATURES AND ADVANTAGES



### PROVIDES IMPROVED EMI SHIELDING FOR BETTER SIGNAL INTEGRITY

Cables have first and last pins grounded, creating a conductive shield around the signal traces within the cable to help protect against electronic noise



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

Options include zero-insertion force (ZIF), non-ZIF and low-insertion force (LIF) FFC connectors



### PERMITS USE IN A VARIETY OF APPLICATIONS

Product features Tin-plated contacts and a wide range of cable length options for design flexibility



### 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

### PROVIDING EXCELLENT SIGNAL INTEGRITY FOR CRITICAL APPLICATIONS

Consumer, automotive, medical and datacom applications — such as medical pumps and monitoring systems, servers, drones and cooling systems — require highly reliable signal quality. Premo-Flex EMI Protection Cables are shielded against electronic noise to provide unmatched signal quality and dependability.

- |                       |                         |                            |         |
|-----------------------|-------------------------|----------------------------|---------|
| Infusion pumps        | Automotive LCD displays | Cooling systems            | Servers |
| Medication dispensers | Drones                  | Medical monitoring devices | Routers |

## ORDERING INFORMATION

Series	15366
Pitch (mm)	0.50
Current (A) per Contact	0.5
Pins Grounded to Shield	First and last
Latch Type	Straight
Easy-On Connector Series	52435, 54104, 52437, 501951, 52559
Plating	Tin
Max. Voltage	60V AC
Operating Temperatures	-40 to +105°C

[www.molex.com/en-us/products/cable-assemblies/flat-flexible-cables-ffc](http://www.molex.com/en-us/products/cable-assemblies/flat-flexible-cables-ffc)

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