



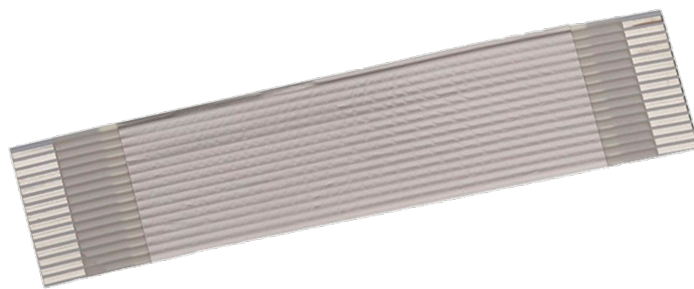
PREMO-FLEX EMI PROTECTION SOLUTIONS >

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
<p>SIGNAL INTEGRITY Electromagnetic interference (EMI) can introduce noise into signal pathways, leading to data corruption or signal loss.</p>	<p>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.</p>
<p>IMPROVED RELIABILITY Manufacturers require proven flexible circuit solutions that can meet specific design needs in critical applications.</p>	<p>Molex Premo-Flex EMI Protection Cables reduce the risk of EMI-related failures and enhance the overall reliability and durability of electronic systems.</p>



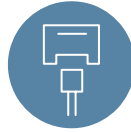
PREMO-FLEX EMI PROTECTION SOLUTIONS

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

molex