



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
SIGNAL INTEGRITY 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.
IMPROVED RELIABILITY 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.



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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

| Medication dispensers

| Automotive LCD displays

| Drones

| Cooling systems

| Medical monitoring devices

| Servers

| 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

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