

Selecting Your Premo-Flex Solution

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STEP 1
Choose Your Connector
-OR-
Identify
 - Pitch
 - Circuit Count
 - Plating
- 2

STEP 2
Specifications
 - Length
 - Flex Life Cycles
 - Contact Layout Type
 - A = Same Side Contacts
 - D = Opposite Side Contacts
- 3

STEP 3
Additional Requirements
 - Temperature
 - Superior Retention
 - Speed
 - EMI

Series	Feature	Pitch (mm)	Plating Material	Flex Life Cycles	End Thickness (mm)	Contact Layout Type	Standard Lengths (mm)
15166	Ultra-Flex	0.50	Tin	2.5M	0.30	A and D	30 to 305
15167		1.00					
15168		1.25					
15366	Shielded	0.50		1M			
98266	Extra-Flexible	0.50		100K			
98267		1.00					
98268		1.25					
15266	Flexible	0.50	50K				
15267		1.00					
15268		1.25					
15466	High Retention	0.50					
15018	High Retention	0.50					
15020	Flexible	0.50					
15039		1.00					
15049		1.25					
15016	High Retention	0.50	Gold	2.5M			
15031	Miniaturization / High Retention	0.30		10K+	0.20	A	51 to 305
15032		0.30					
15015	Miniaturization	0.30					
15014	Miniaturization	0.25					

Low-Voltage Differential Signal (LVDS) Cables									
Series	Notched	Pitch (mm)	Plating Material	Mating Connectors	Temperature	End Thickness (mm)	Contact Layout Type	Standard Lengths (mm)	
15021	No	0.50	Gold	502231, 502244	-40 to +80°C	0.30	A	51 to 610	
15022	Yes			501786, 501864					
15023	Yes			503908		0.33			
15026	Yes			200485	-40 to +105°C				

A Cable Designed for Every Industry



- CONSUMER**
Cameras, drones, phones, handheld gaming devices, home appliances, TVs
- MEDICAL**
Handheld ultrasound, infusion pumps, medication dispensers, monitoring systems
- DATACOM**
Printers, scanners, keyboards, servers, routers, computers
- AUTOMOTIVE**
Infotainment, LCD displays, GPS devices
- INDUSTRIAL**
Robotics, generators, cooling systems

Get customized insights at: molex.com keyword Premo-Flex



PREMO-FLEX FLAT FLEXIBLE CABLES

www.molex.com
Keyword: Premo-Flex



Looking for more details?
SCAN FOR FULL SPECIFICATION DETAILS!

Premo-Flex Standard Solutions

Features and Advantages

- Design Flexibility**
4 to 80 Circuit Sizes
Extended Flex Cycles
10K to 2.5M
Simple Assembly
- Why Molex?**
One-Stop Source for All 1:1 FCC Interconnect Solutions
Gold Standard Customer Experience
Low Program Requirements
Same-Day Technical Support

FLEXIBLE				
FEATURES	TIN PLATING		GOLD PLATING	
50K Flex Life Cycles 0.27mm Insulated Thickness -40 to +105°C	SERIES	15266 0.50mm Pitch 15267 1.00mm Pitch 15268 1.25mm Pitch	SERIES	15020 0.50mm Pitch 15039 1.00mm Pitch 15049 1.25mm Pitch



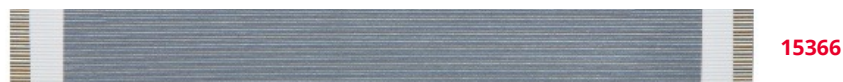
EXTRA-FLEXIBLE		
FEATURES	TIN PLATING	
100K Flex Life Cycles 0.22mm Insulated Thickness -40 to +105°C	SERIES	98266 0.50mm Pitch 98267 1.00mm Pitch 98268 1.25mm Pitch



ULTRA-FLEXIBLE			
FEATURES	TIN PLATING		GOLD PLATING
2.5M Flex Life Cycles 0.12mm Insulated Thickness -40 to +105°C	SERIES	15166 0.50mm Pitch 15167 1.00mm Pitch 15168 1.25mm Pitch	SERIES 15120 0.50mm Pitch



ELECTROMAGNETIC INTERFERENCE (EMI) PROTECTION		
FEATURES	TIN PLATING	
First and Last Pin Grounded -40 to +105°C	SERIES	15366 0.50mm Pitch

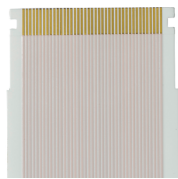


Premo-Flex Standard Solutions

MINIATURIZATION		
FEATURES	GOLD PLATING	
0.12mm Insulated Thickness 10K+ Flex Life Cycles -40 to +105°C Staggered Pins	SERIES	15014 0.25mm Pitch 15015 0.30mm Pitch 15031 0.30mm Pitch (notched) 15032 0.30mm Pitch (latching ears)



SUPERIOR RETENTION		
FEATURES	TIN PLATING	GOLD PLATING
Notched or Latching Ears -40 to +105°C	SERIES	15016 0.50mm Pitch (notched) 15018 0.50mm Pitch (latching ears) 15019 0.50mm Pitch (latching ears) 15031 0.30mm Pitch (notched) 15032 0.30mm Pitch (latching ears)
		15466 0.50mm Pitch (latching ears) 15467 1.00mm Pitch (latching ears)



15016



15018



15466

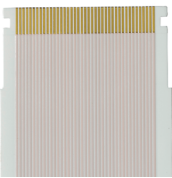
HIGH SPEED		
FEATURES	GOLD PLATING	DATA SPEED
100 Ohms Controlled Impedance 0.50mm Pitch -40 to +80°C	SERIES	15021 LVDS Straight (termination) 15022 LVDS (notched) 15023 LVDS (notched) 15026 LVDS One-Touch
		2 to 5 Gbps for 12" to 24" 5 to 10 Gbps for 2" to 10"



15021



15022



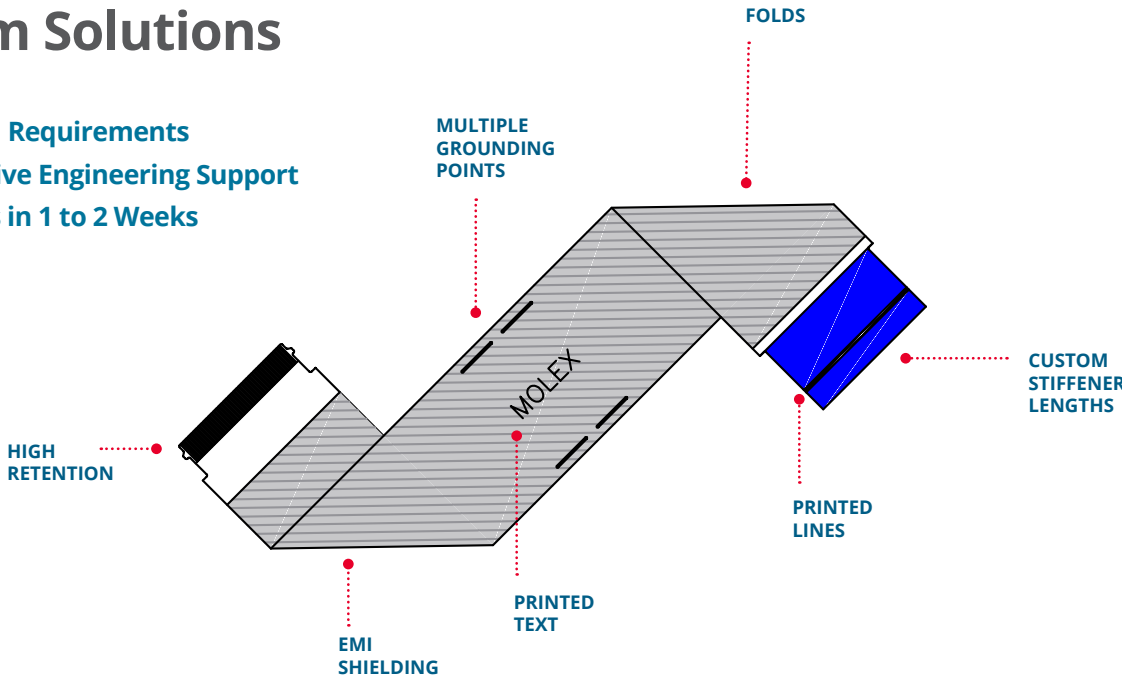
15023



15026

Custom Solutions

- Low Program Requirements
Comprehensive Engineering Support
Free Samples in 1 to 2 Weeks



Additional Offerings

RFCs (Round Flat Cables) provide ideal electrical connections between PCBs and create cost savings by eliminating the need for connectors.

Hybrid Solutions with round contacts at one end for through-hole soldering and flat contacts at the other.

Component Soldering attaches thermistors and resistors directly to cable with optional protective cover film.

Full Assembly: Premo-Flex flat flexible cable jumpers offer finished assemblies using Easy-On FFC FPC connectors to provide complete interconnect solutions.

Hot Bar Soldered Cables provide a durable connection by permanently affixing to a PCB via direct soldering.

Insulated Material (such as polyester, polyimide and Aramid) enable PCB connection solutions for unique temperature and environmental conditions.