

# 0.25mm-Pitch Premo-Flex Cable Jumpers

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**Standard 0.25mm-Pitch Premo-Flex Jumpers mate with Molex 0.25mm-Pitch Easy-On FFC/FPC Connectors to offer reliable connectivity in a compact design for tight-packaging applications**

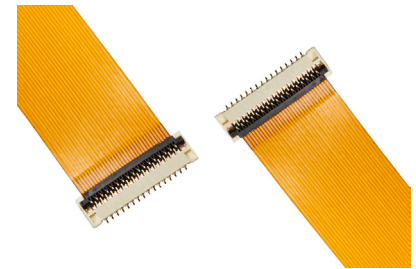
## Features and Advantages

### Mates with 0.25mm-Pitch Easy-On FFC/FPC Connectors (Series 502078, 503300, 503320)

Delivers high-reliability connectivity with a fine-pitch connector. Both cable and connector can be procured from the same vendor

### Simple assembly process

Ideal for electrical connections between PCBs, display boards and more



0.25mm-Pitch Premo-Flex Jumpers and Easy-On FPC Connectors

**Multiple standard circuit sizes and lengths available**  
Provides design flexibility and fast availability

### 0.25mm pitch

Offers super-fine pitch for space-constrained applications

## Markets and Applications

### Medical

- Patient monitoring
- Surgical equipment
- Telehealth

### Smart Phones and Mobile Devices

- GPS
- Tablets

### Consumer

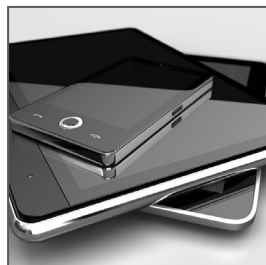
- Gaming machines
- Home security systems
- Home entertainment systems

### Data/Computing

- Copiers
- Optical disk drives

### Automotive

- Audio and navigation systems
- Comfort features
- Infotainment systems



Smartphones and Tablets



Patient Monitoring Device



Home Security Systems

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## Specifications

### REFERENCE INFORMATION

Mates With: Easy-On FFC/FPC Connectors (Series 502078, 503300, 503320)  
Designed In: Millimeters  
RoHS: Yes

### ELECTRICAL

Current (max.): 0.2A  
Inner Conductor Resistance: 1.28 Ohms  
Outer Conductor Resistance: 1.52 Ohms  
Dielectric Withstanding Voltage: 9μA  
Insulation Resistance: >50 gigaohms

### MECHANICAL

Temperature Rating: -40 to +105°C  
Heat Resistance: 105°C for 96 hours  
Thermal Shock:  
    30 minutes at -55°C  
    30 minutes at +85°C  
Moisture Resistance: Exposed to 40°C +/- 2°C for 24 hours, relative humidity 90-95%  
Folding: Specimen folded manually at 180° bending angle 20 times

### PHYSICAL

Conductor:  
    Material — Copper  
    Plating — Gold  
    Thickness — 0.018mm nominal  
Insulation Tape:  
    Material — Polyimide and flame-retardant adhesive  
    Color — Orange-brown  
Reinforcement Tape:  
    Material — Polyimide and adhesive  
    Thickness — 0.135mm nominal  
    Color — Orange-brown

[www.molex.com/product/premoflex\\_ffc-fpc.html](http://www.molex.com/product/premoflex_ffc-fpc.html)

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