

# Off-the-Shelf (OTS) Micro-Lock Plus 2.0 Tin Discrete Wire Cable Assemblies >

Off-the-Shelf (OTS) Micro-Lock Plus 2.0 Tin Discrete Wire Cable Assemblies offer a 2.00mm pitch in single-row and a variety of circuit sizes to facilitate both prototyping and global preproduction

## FEATURES AND ADVANTAGES

### OTS Micro-Lock Plus 2.0 Tin Discrete Wire Cable Assemblies

Delivers secure mating retention without sacrificing compactness

### Robust metal solder tabs

Provide secure PCB retention and strain relief to solder joints

### Tin-bismuth terminals

Prevent whiskering for a clean and uninterrupted signal. Supports terminal ruggedness and reliability

### Withstands up to 105°C operating temperature

Meets automotive industry requirements Withstands harsh environments

### Inner lock for dual-row versions; outer lock for single-row versions

Strengthens lock for more reliable connection

### Dual contact terminal design

Offers secure contact and terminal retention

### Two to 15 circuits, single rows, receptacle-to-receptacle and receptacle-to-strip configurations\*

Offer design flexibility

### Wide positive latch that delivers audible click

Provides secure mating retention. Ensures proper mating



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## MARKETS AND APPLICATIONS

### Automotive

Internal connections with units  
Steering wheels, paddle shifts, combination switches

### Consumer

Air conditioners  
Desktop PCs  
Drones  
Gaming machines  
Laser printers  
Power tools  
Vacuum cleaners  
White goods



White Goods



Steering Wheels



Drones

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## SPECIFICATIONS

### REFERENCE INFORMATION

Packaging: Bulk  
 UL File No.: E29179\*  
 Use With: 22 AWG  
 Insulation Diameter: 1.20 mm  
 Designed In: Millimeters  
 RoHS: Yes \*  
 Halogen Free: Low-Halogen \*  
 Glow Wire Compliant: No\*  
 IP Rating: N/A

### ELECTRICAL

Voltage (max.): 250 V AC  
 Current (max.): 3.4A Max  
 Contact Resistance: 10 milliohms Max  
 Dielectric Withstanding Voltage: 800 V AC  
 (rms) for 1 minute between adjacent terminal  
 or ground\*  
 Insulation Resistance: 1000 Megohms (min)\*

### PHYSICAL

Housing: Polyester \*  
 Contact: Copper Alloy  
 Plating: Tin  
 Contact Area — Tin  
 Underplating — N/A  
 Operating Temperature: -20 to +105°C

### MECHANICAL

Terminal Insertion Force (max.): 9.8 N (max) \*  
 Terminal Retention to Housing: 25.0 N (min) \*  
 Mating Force: 3.2 N/circuit (max)  
 Unmating Force: 0.2 N/circuit (min)  
 Durability (max.): 30 Cycles

\*The specification given is based on the connector

## ORDERING INFORMATION

Series No.	Component	Type	Circuits	Length (m)
<a href="#">218101</a> <a href="#">218102</a>	Micro-Lock Plus 2.0 Receptacle	Single	2, 3, 4, 5, 6 and 8	50, 100, 150, 300, 600

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)