

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

*For other configurations, please contact your Molex representative

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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)
218101 218102	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