

# Off-the-Shelf (OTS) Mini-Fit Sigma Dual-Row Tin Discrete-Wire Cable Assemblies >

Off-the-Shelf (OTS) Mini-Fit Sigma Dual-Row Tin Discrete-Wire Cable Assemblies deliver up to 11.5A of current and offer a variety of circuit sizes to facilitate both prototyping and global preproduction

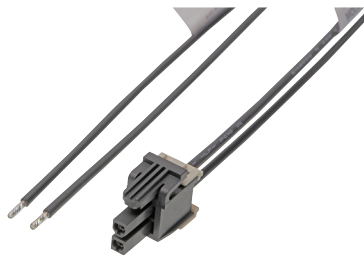


OTS Mini-Fit Sigma Dual-Row Tin Discrete-Wire Cable Assemblies

## FEATURES AND ADVANTAGES

### V-0 Glow Wire combination resin

Reduces the cost of materials and labor and allows customers to meet the European standards for electrical requirements



### Polarized mating geometry

Helps ensure header and receptacle cannot be mated



### Positive locking housings

Help ensure connectors are fully mated with easy-to-operate thumb latch; help prevent accidental unmating



## MARKETS AND APPLICATIONS

### Automotive

Harness manufacturers  
Inside devices  
Non-sealed applications

### Industrial

Industrial equipment  
Power suppliers

### Commercial Vehicle

Electronic control modules

### Industrial Automation

Automation equipment  
Food and beverage dispensers

### Consumer

Gaming equipment  
Gaming machines  
Vending machines

### Medical

Medical devices  
X-ray machines

### Data/Computing

Copiers  
Printers

### Telecommunications/ Networking

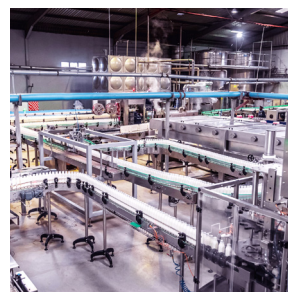
Backplanes  
Fan-tray assemblies  
Rack-mount servers  
Routers  
Servers  
Switches

### Home Appliance

White goods



Vending Machines



Industrial Automation



Copiers

**Note:** Application recommendations are based on the connector specifications.

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## SPECIFICATIONS

### REFERENCE INFORMATION

UL File No.: E29179\*  
CSA File No.: LR19980\*  
Use With: 16 AWG  
Insulation Diameter: 1.50mm  
Designed In: Millimeters  
RoHS: Yes\*  
Halogen Free: No\*  
Glow Wire Capable: Yes\*

### ELECTRICAL

Voltage (max.): 600V AC/DC  
Current (max.): 11.5A, depending on the number of circuits  
Contact Resistance (max.): 10 milliohms  
Dielectric Withstanding Voltage: 2200V AC for 1 minute between adjacent terminals and between terminals to ground\*  
Insulation Resistance: 1000 Megohms (min)\*

### PHYSICAL

Housing: Nylon  
Contact: Brass  
Plating: Tin  
Contact Area: Tin  
Operating Temperatures: -20 to +105°C

### MECHANICAL

Contact Insertion Force (max.): 15N  
Contact Retention to Housing (min.): 30N  
Mating Force (max.): 14.7N  
Unmating Force (max.): 1N  
Durability (min.): 30 cycles

\*The specification given is based on the connector

## ORDERING INFORMATION

Series	Component	Circuits	Length (mm)
<u>218310</u> <u>218311</u>	OTS Mini-Fit Sigma Dual-Row Sn Discrete-Wire Cable Assemblies	2 and 4	150, 300, 600

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