

# Off-the-Shelf (OTS) Mini-Fit Sr. Discrete Wire Cable Assemblies

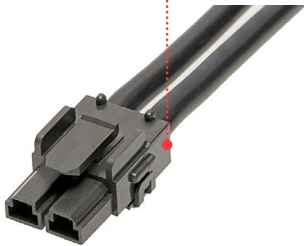


OTS Mini-Fit Sr. Discrete Wire Cable Assemblies are available in a variety of circuits and cable lengths to facilitate both prototyping and global preproduction

## Features and Advantages

### Terminal position assurance (TPA) retainer required on housings

Prevents terminal back-out



### Dual-beam (female) terminal design

Gives four points of contact and ensures superb contact reliability



### High amperage (46.0 to 50.0A) isolated contacts

Support high-power server, telecommunication and industrial equipment requirements

### Silver-plated contacts

Offer significant cost-savings over gold-plated systems. Avoid the need to manually lubricate Tin-plated versions to mitigate fretting corrosion



### Polarized housing design

Prevents mis-mating

## Applications

### Consumer

- Washers and dryers
- Refrigerators

### Networking

- Routers/switches

### Medical

- X-ray

### Commercial Vehicle

- Construction equipment
- Farm equipment
- Heavy equipment
- Recreational vehicles
- Semi-trucks

### Industrial

- Automation equipment
- Conveyor belt
- Process controls



Semi-truck



Appliances



Routers

# Off-the-Shelf (OTS) Mini-Fit Sr. Discrete Wire Cable Assemblies



## Specifications

### REFERENCE INFORMATION

Length Options (mm): 150.00, 300.00 and 1000.00  
Circuit Size Options: 2, 3 and 4 circuits  
Wire Gauge: 8 AWG  
UL 1015 Industry-standard discrete wire

### MECHANICAL

Contact Insertion Force (max.): 29.42N  
Contact Retention to Housing (min.): 98.06N  
Mating Force (max.): 29.42N  
Unmating Force (min.): 2.45N  
Durability (max.): 100 times at a maximum rate of 10 cycles per minute

### ELECTRICAL

Voltage (max.): 600 V AC/DC  
Current (max.): 46.0 to 50.0A (depends on circuit size) for 8 AWG cable.  
Contact Resistance (max.): 1.0 milliohms  
Dielectric Withstanding Voltage: 2200V AC for 1 minute between adjacent terminal or ground.  
Insulation Resistance (min.): 1000 Megohms

### PHYSICAL

Housing: 94V-0 (non-glow wire capable)  
Contact: Gold over Nickel  
Plating: Gold  
Contact Area: Pre-plated Gold  
Operating Temperature: -40 to +105°C

## Ordering Information

Series No.	Component	Type	Circuits	Length (mm)
<a href="#">36924</a>	Off-the-Shelf Mini-Fit Sr. Discrete Wire Cable Assemblies Receptacle	Single Row	2, 3 and 4	150.00, 300.00 and 1000.00

Custom Product	Description
<a href="#">Contact Molex</a>	Mini-Fit Sr. Custom Cable lengths and other options

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

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