

# Off-the-Shelf (OTS) Mini-Fit Jr. Overmolded Cable Assemblies

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Off-the-Shelf (OTS) Mini-Fit Double-ended, Overmolded Assemblies with strain relief are available in multiple circuit sizes and cable lengths for a rugged signal connection



Mini-Fit Off-the-Shelf Overmolded Cable Assembly Family (4-circuit Version Shown)

## Features and Benefits

### Both custom and off-the-shelf assemblies available

Provides quick availability for development and production programs and customized versions for final designs

### Overmolded strain relief

Reduces mechanical stress on wires and terminals

### Positive latching

Ensures secure retention when receptacle and header or receptacle and plug are mated. Prevents accidental unmating

### Polarized mating geometry

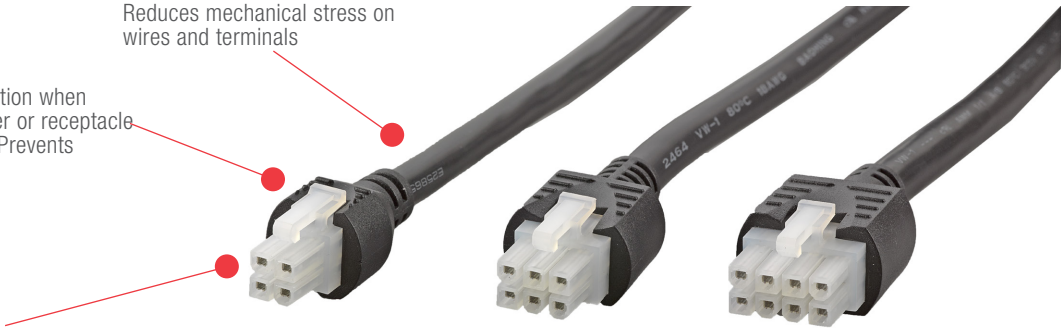
Prevents mis-mating

### Terminal provides 4 independent points of contact

Offers redundant, secondary current paths for long-term electrical performance and reliability

### Terminal polarization tab

Ensures the terminals are fully inserted into the plugs and receptacles. Reduces risk of terminal backout



## Applications

### Consumer

- Office equipment
- Fan tray assemblies
- Gaming and vending

### Data/Computing

- Personal computers
- Computers, work stations and servers



Work Stations



Office Equipment



Gaming Machines



Mini-Fit Jr. 4-, 6- and 10-Circuit Off-the-Shelf Overmolded Cable Assemblies

# Off-the-Shelf (OTS) Mini-Fit Jr. Overmolded Cable Assemblies



## Specifications

### Electrical

Voltage (max.): 600V AC/DC  
 Current (max.): >9.0A  
 Contact Resistance: 10 milliohm change from initial  
 Dielectric Withstanding Voltage: 2200V AC  
 Insulation Resistance: 1000 Megohms

### Mechanical

Contact Insertion Force: 15N  
 Contact Retention to Housing: 30N  
 Mating Force: 4.9N (Gold), 15.6N (Tin)  
 Unmating Force: 4N (Gold), 13.8N (Tin)  
 Durability (min.): 100 Cycles (Tin); 250 Cycles (Gold)

### Physical

Flammability: UL 94V-0 and Glow Wire  
 Housing: Nylon  
 Contact: Brass or Phosphor Bronze  
 Plating: Tin  
 Overmolding: PVC, Black, 15% Glass-filled  
 Operating Temperature: -40 to +105°C

## Ordering Information

Part No.	Description	Length (m)	Number of Circuits
<a href="#">245135-0205</a>	OTS Mini-Fit Overmolded Cable Assemblies	0.5	2
<a href="#">245135-0210</a>		1.0	
<a href="#">245135-0220</a>		2.0	
<a href="#">245135-0405</a>		0.5	4
<a href="#">245135-0410</a>		1.0	
<a href="#">245135-0420</a>		2.0	
<a href="#">245135-0605</a>		0.5	6
<a href="#">245135-0610</a>		1.0	
<a href="#">245135-0620</a>		2.0	
<a href="#">245135-0805</a>		0.5	8
<a href="#">245135-0810</a>		1.0	
<a href="#">245135-0820</a>		2.0	
<a href="#">245135-1005</a>		0.5	10
<a href="#">245135-1010</a>		1.0	
<a href="#">245135-1020</a>		2.0	

Custom Product	Description
<a href="#">Contact Molex</a>	Mini-Fit Jr. Off-the-Shelf Overmolded Cable Assemblies

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