

# 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

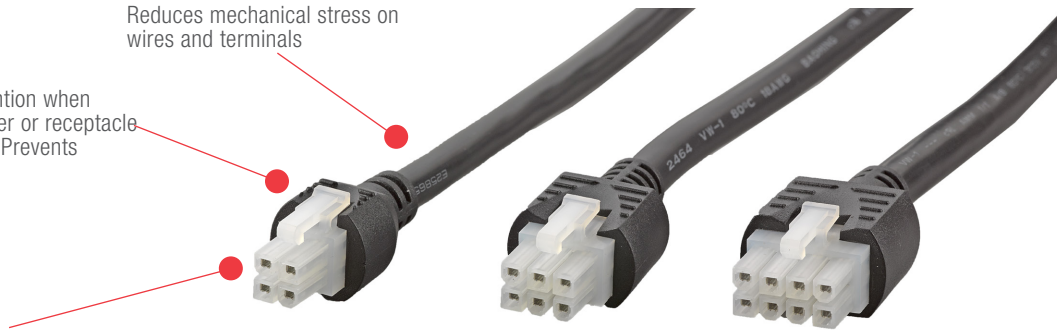
Prevents mis-mating

### 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.): 300V AC/DC  
 Current (max.): 8.4A  
 Dielectric Withstanding Voltage: 2000V AC  
 Insulation Resistance (min.): 10 Megohms

### Mechanical

Insertion Force to PCB (max.): 15N  
 Retention Force (min.): 30.0N  
 Mating Force (max. per circuit): 15.6N  
 Unmating Force (max. per circuit): 13.8N  
 Wire Pullout Force (min.): 89.0N  
 Durability (min.): 100 cycles

### Physical

Flammability: UL 94V-2  
 Housing: Nylon, Natural  
 Terminal: Copper Alloy  
 Plating: Tin  
 Wire/Cable: UL2464, Black, 80°C, xC\*18AWG, 300V  
 Overmolding resin: PVC, Black  
 Operating Temperature: -20 to +80°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)