

# Mini-Fit® Overmolded Cable Assemblies

molex®

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® 4Overmolded Cable Assembly Family  
(4-circuit Version Shown)

## Features and Benefits

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 mismating
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 can only be fully inserted into the plugs and receptacles. Reduces risk of terminal back out
Both custom and off-the-shelf assemblies available	Provides quick availability for development and production programs and customized versions for final designs

## Applications

### Consumer

- Office equipment
- Fan tray assemblies
- Gaming and vending

### Data/Computing

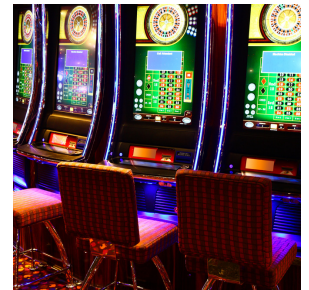
- Personal computers
- Computers, work stations and servers



Work Stations



Office Equipment



Gaming Machines



Mini-Fit® 4-, 6- and 10-Circuit  
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>	Overmolded Mini-Fit® Jr. Cable Assembly	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="#">24135-0805</a>		0.5	8
<a href="#">24135-0810</a>		1.0	
<a href="#">24135-0820</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>	Customized Mini-Fit® Overmolded Cable Assembly