

# Off-the-Shelf (OTS) Micro-Fit Overmolded Cable Assemblies



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



Micro-Fit Overmolded Cable Assembly  
(10-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

### Capable of carrying 5.0A of current

Ideal for many signal and power applications

**Locking tang on terminals**  
Secures terminals in housings

**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 accidental mis-mating

## Applications

### Consumer

- Office equipment
- Fan tray assemblies
- Gaming and vending

### Data/Computing

- Personal computers
- Computers, work stations and servers



Vending Machines



Work Stations



Office Equipment



Micro-Fit 4-, 6- and 10-Circuit  
Overmolded Cable Assemblies  
(2- and 8-Circuit versions also available)

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## Specifications

### Electrical

Voltage: 250V  
 Current: 5.0A max.  
 Contact Resistance: 10 milliohms max.  
 Dielectric Withstanding Voltage: 600V AC  
 Insulation Resistance: 1000 Megohms min.

### Mechanical

Contact Insertion Force: 1.5kgf (3.31 lbf) max.  
 Contact Retention to Housing: 2.5kgf (5.51 lbf) min.  
 Mating Force: 1.0kgf (2.20 lbf) max. per contact  
 Unmating Force: 3.7N (0.83 lbf) per circuit  
 Durability:  
 Male connectors up to 30 cycles at a maximum rate of 10 cycles per minute

### Physical

Housing: Polyester  
 Flammability: UL 94V-2  
 Contact: Phosphor Bronze  
 Plating:  
 Contact Area — Phosphor Bronze  
 Overmolding:  
 PVC, Black, 15% Glass-filled  
 Operating Temperature: -40 to +105°C

## Ordering Information

Part No.	Description	Length (m)	Number of Circuits
<a href="#">245132-0205</a>	OTS Micro-Fit Overmolded Cable Assemblies	0.5	2
<a href="#">245132-0210</a>		1.0	
<a href="#">245132-0220</a>		2.0	
<a href="#">245132-0230</a>		3.0	
<a href="#">245132-0250</a>		5.0	
<a href="#">245132-0405</a>		0.5	4
<a href="#">245132-0410</a>		1.0	
<a href="#">245132-0420</a>		2.0	
<a href="#">245132-0430</a>		3.0	
<a href="#">245132-0450</a>		5.0	
<a href="#">245132-0605</a>		0.5	6
<a href="#">245132-0610</a>		1.0	
<a href="#">245132-0620</a>		2.0	
<a href="#">245132-0630</a>		3.0	
<a href="#">245132-0650</a>		5.0	
<a href="#">245132-0805</a>		0.5	8
<a href="#">245132-0810</a>		1.0	
<a href="#">245132-0820</a>		2.0	
<a href="#">245132-1005</a>		0.5	10
<a href="#">245132-1010</a>		1.0	
<a href="#">245132-1020</a>	2.0		
<a href="#">245132-1030</a>	3.0		
<a href="#">245132-1050</a>	5.0		

Custom Product	Description
<a href="#">Contact Molex</a>	Customized Micro-Fit* Overmolded Cable Assembly

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

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