



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Micro-Fit* Overmolded Cable Assemblies

molex[®]

Micro-Fit* Double-ended, Overmolded Assemblies with strain relief are available in multiple circuit sizes and cable lengths for a rugged signal connection

Features and Benefits

Capable of carrying 5.0A of current

Ideal for many signal and power applications

Fully polarized housings

Prohibits accidental mis-mating

Positive latching on housings

Prevents accidental disconnects

Locking tang on terminals

Secures terminals in housings

Overmolded strain relief

Reduces mechanical stress on wires and terminals

Both custom and off-the-shelf assemblies available

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



Micro-Fit* Overmolded Cable Assembly
(10-Circuit Version Shown)

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)

*Micro-Fit is a trademark of Molex, LLC in the United States and may be registered in certain jurisdictions.

Micro-Fit* Overmolded Cable Assemblies



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
245132-0205	Overmolded Micro-Fit* Cable Assembly	0.5	2
245132-0210		1.0	
245132-0220		2.0	
245132-0230		3.0	
245132-0250		5.0	
245132-0405		0.5	4
245132-0410		1.0	
245132-0420		2.0	
245132-0430		3.0	
245132-0450		5.0	
245132-0605		0.5	6
245132-0610		1.0	
245132-0620		2.0	
245132-0630		3.0	
245132-0650		5.0	
245132-0805		0.5	8
245132-0810		1.0	
245132-0820		2.0	
245132-1005		0.5	10
245132-1010		1.0	
245132-1020		2.0	
245132-1030		3.0	
245132-1050		5.0	

Custom Product	Description
Contact Molex	Customized Micro-Fit* Overmolded Cable Assembly

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www.molex.com/link/overmolded.html