

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
245132-0205	OTS Micro-Fit Overmolded Cable Assemblies	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

www.molex.com/link/overmolded.html

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