

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

molex[®]

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

Features and Advantages

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)

Capable of carrying 5.0A of current

Ideal for many signal and power applications

Locking tang on terminals

Helps secure terminals in housings

Overmolded strain relief

Reduces mechanical stress on wires and terminals

Positive latching

Helps ensure secure retention when receptacle and header or receptacle and plug are mated. Prevents accidental unmating

Polarized mating geometry

Helps prevent accidental mis-mating

Applications

Consumer

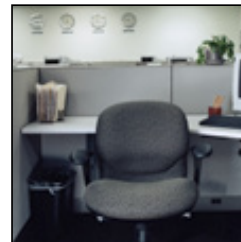
- Office equipment
- Fan tray assemblies
- Gaming and vending

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 (max.): 300V AC/DC
Current (max.): 5.6A
Dielectric Withstanding Voltage: 1000V AC
Insulation Resistance (min.): 10 Megohms

Mechanical

Insertion Force to PCB (max.): 14.7N
Retention Force (min.): 24.5N
Mating Force (max. per circuit): 8.0N
Unmating Force (min. per circuit): 3.7N
Wire Pullout Force (min.): 57.8N
Durability (min.): 30 cycles

Physical

Flammability: UL 94V-0
Housing: Nylon, Black
Terminal: Phosphor Bronze
Plating: Tin
Wire/Cable: UL2464, Black, 80°C, xC*20AWG, 300V
Overmolding resin: PVC, Black
Operating Temperature: -20 to +80°C

Ordering Information

Part No.	Description	Length (m)	Number of Circuits
214770	OTS Overmolded Cable Assemblies	0.5, 1.0, 2.0, 3.0, 5.0	2 to 6
245132			2 to 10

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

www.molex.com/link/overmolded.html

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