

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 (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 |
|-----------------------------|---|------------|--------------------|
| 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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