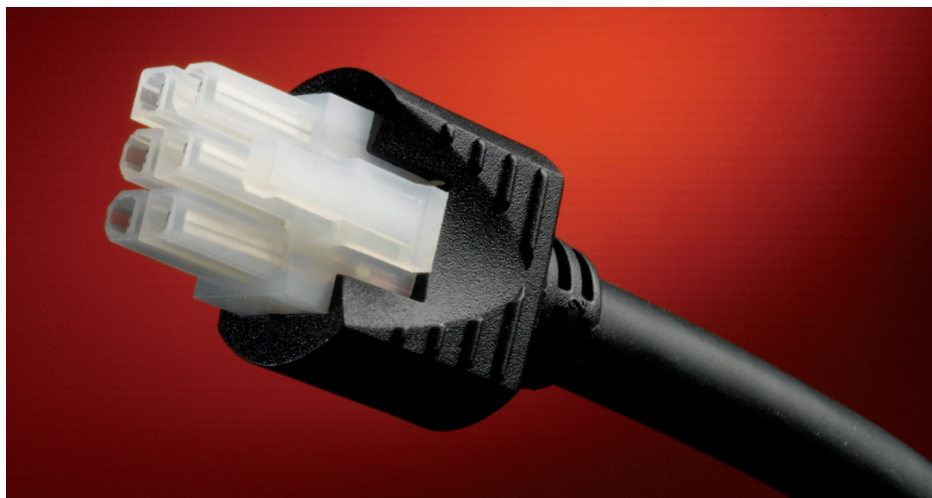


**Double-ended, Overmolded Assemblies with strain relief are available in multiple circuit sizes and cable lengths for a rugged signal connection**

Mini-Fit® Overmolded Cable Assemblies are designed to meet the need for a high contact-density wire-to-board connector for signal or power applications. Available in 3, 6 or 14 circuit sizes, the assemblies incorporate an overmolded strain relief for reduced mechanical stress. The double-ended cable assemblies are capable of carrying 5.0A of current. A positive latch prevents accidental disconnection. These cable assemblies complement the broad offering of Molex's Mini-Fit family.

## Mini-Fit® Overmolded Cable Assemblies



### FEATURES AND BENEFITS

- Capable of carrying 5.0A of current which is ideal for many signal or power applications.
- Fully polarized housings to prevent accidental mis-mating.
- Positive latching on housings to prevent accidental disconnects.
- Locking tang on terminal to secure them in the housing.
- Overmolded strain relief reduces mechanical stress on wires and terminals.
- Also available in double-ended assemblies.

### SPECIFICATIONS

#### Reference Information

Packaging: Bag  
Mates With: 5566 and 5569  
Designed In: Millimeters

#### Electrical

Voltage: 250V  
Current: 3.0A max.  
Contact Resistance: 10 milliohms max.  
Dielectric Withstanding Voltage: 1500V 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-0  
Contact: Phosphor Bronze  
Plating:  
Contact Area — Phosphor Bronze  
Solder Tail Area — Tin (Sn)  
Overmolding:  
PVC, Black, 15% Glass-filled  
Flammability: UL 94V-2  
Operating Temperature: -40 to +105°C

### APPLICATIONS

- Personal Computers
- Computers, Workstations and Servers
- Office Equipment
- Fan Tray Assemblies
- Power Supplies
- Gaming and Vending

