Molex delivers off-the-shelf and customized Mega-Fit Overmolded Cable Assemblies in multiple circuit sizes and lengths, combining rugged signal connection with a user-friendly interface.

**Features and Advantages**

- **Custom assemblies for production also available**
  Meet design needs after prototyping is complete. Molex’s extensive design and manufacturing expertise can meet the unique challenges of the most demanding applications.

- **User-friendly overmolded interface and strain relief**
  Provides a ruggedized general market connector that is safe and convenient for consumer use. Reduces mechanical stress on wires and terminals.

- **Positive latching on housings**
  Ensures secure retention. Delivers an audible click to provide feedback that connector is fully mated.

- **Fully polarized housings**
  Prevent accidental mis-mating.

- **Fully isolated terminals**
  Protected against damage during handling and mating.

**Applications**

- **Consumer**
  - Office equipment
  - Fan tray assemblies
  - Gaming and vending
  - Washers and dryers
  - Heaters and air conditioners

- **Networking**
  - Hubs and servers
  - Power supplies and distributions

- **Data/Computing**
  - Personal computers
  - Workstations
  - Servers

- **Industrial**
  - Machinery and heavy equipment
  - Lighting and automation

- **Commercial Vehicle**
  - Unsealed electronic control modules
  - Power converters
Specifications - Mega-Fit Overmolded Cable Assemblies

**ELECTRICAL**
- Voltage (max.): 300V AC/DC
- Current (max.): 18.4A
- Dielectric Withstanding Voltage: 2000V AC
- Insulation Resistance (min.): 10 Megohms

**MECHANICAL**
- Retention Force (min.): 30.0N
- Mating Force (max. per circuit): 6.0N
- Unmating Force (max. per circuit): 5.6N
- Wire Pullout Force (min.): 220.0N
- Durability (min.): 200 cycles

**PHYSICAL**
- Flammability: UL 94V-0
- Housing: PBT, Black
- Terminal: Copper Alloy
- Plating: Gold
- Wire/Cable: UL2464, Black, 80°C, xC*12AWG, 300V
- Overmolding resin: PVC, Black
- Operating Temperature: -20 to +80°C

Ordering Information

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Custom Product

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<th>Description</th>
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<tbody>
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<td>Contact Molex</td>
<td>Customized Mega-Fit Overmolded Cable Assembly</td>
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www.molex.com/link/overmolded.html