

# Off-the-Shelf (OTS) Mega-Fit Overmolded Cable Assemblies

**molex**

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



### Mega-Fit Cable Assembly capable of carrying a maximum 23.0A of current

High-current terminals deliver more power per linear and square millimeter than most mid-range power products

### 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



Office Equipment



Vending Machines



Industrial Automation

*Mega-Fit 4-Circuit Connector*

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## Specifications - Mega-Fit Overmolded Cable Assemblies

### **ELECTRICAL**

Voltage (max.): 600V  
Current (max.): 23.0A  
Contact Resistance (max. change): 6 milliohms  
Current Interrupt Rating: 48V AC/DC, 23.0A max. up to 30 mate and unmate cycles

### **MECHANICAL**

Contact Retention to Housing: 30N  
Mating Force (max.): 5.6N per circuit (Gold)  
Unmating Force (max.): 5.6N per circuit (Gold)  
Durability (max.): 200 mating cycles (Gold)  
Wire Pull-Out Force (min.): 12 AWG/4.0mm<sup>2</sup>: 220N

### **PHYSICAL**

Header: UL 94V-0, Glow Wire and Low Halogen  
Contact: High-Conductivity Copper  
Plating: Contact Area: Gold  
Underplating: Nickel  
Operating Temperature: -40 to +120°C

## Ordering Information

Part No.	Description	Length (m)	Number of Circuits
<a href="#">245136</a>	Mega-Fit Overmolded Cable Assembly	0.5	2, 4, 6, 8 and 10
		1	
		2	

Custom Product	Description
<a href="#">Contact Molex</a>	Customized Mega-Fit Overmolded Cable Assembly

[www.molex.com/link/overmolded.html](http://www.molex.com/link/overmolded.html)

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