

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



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/4.0mm²: 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 |
|------------------------|------------------------------------|------------|--------------------|
| 245136 | Mega-Fit Overmolded Cable Assembly | 0.5 | 2, 4, 6, 8 and 10 |
| | | 1 | |
| | | 2 | |

| Custom Product | Description |
|-------------------------------|---|
| Contact Molex | Customized Mega-Fit Overmolded Cable Assembly |

www.molex.com/link/overmolded.html

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