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

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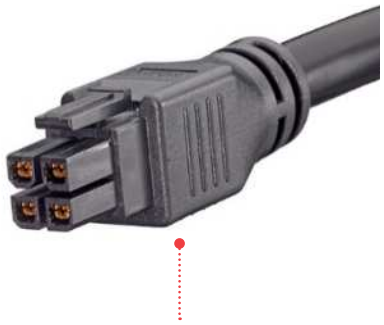
Molex delivers off-the-shelf and customized Mega-Fit Overmolded Cable Assemblies in multiple circuit sizes and lengths, combining rugged signal connection with a user-friendly interface

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 18.4A 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

Mega-Fit 4-Circuit Connector

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

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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

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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Order No. 987651-4662 Rev. 2 USA/0k/GF/2020.06
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