

Mega-Fit® Overmolded Cable Assemblies



Mega-Fit® Double-Ended, Overmolded Cable Assemblies with strain relief offer a 4-circuit off-the-shelf version and customized versions with various circuit sizes and cable lengths

Features and Benefits

Power-dense design with high-current terminals, tight pitch and row spacing	Delivers more power per linear and square millimeter than most mid-range power products
Transforms cable harness into a user friendly overmolded interface	Provides a ruggedized general market connector that is safe and convenient for consumer use
Positive latching on housings	Ensures secure retention. Delivers an audible click to provide feedback that connector is fully mated
Locking tab on terminal	Secures terminal in housing
Overmolded strain relief	Reduces mechanical stress on wires and terminals
Both custom and off-the-shelf cable assemblies available	Provides quick availability for development and production programs and customized versions for final designs



Mega-Fit® Overmolded Cable Assembly

Applications

Consumer / Home Appliance

- Washers and dryers
- Heaters and air conditioners

Networking

- Hubs and servers
- Power supplies and distributions

Industrial

- Machinery and heavy equipment
- Lighting and automation

Commercial Vehicle

- Unsealed electronic control modules
- Power converters



Printers



Industrial Automation

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Specifications

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 un-mate cycles

Mechanical

Contact Retention to Housing: 30N
Mating Force (max.):
5.6N per circuit (Gold), 6.8N (Tin)
Unmating Force (max.):
5.6N per circuit (Gold), 6.5N (Tin)
Durability (max.):
200 mating cycles (Gold), 25 cycles (Tin)
Wire Pull-Out Force (min.):
12 AWG / 4.0mm²: 220N

Physical

Header: UL 94 V-0, Glow-Wire and Low-Halogen
Contact: High-Conductivity Copper
Plating:
Contact Area — Gold (Au) 30μ" and 15μ" options or Tin (Sn)
Underplating — Nickel (Ni)
Operating Temperature (max.):
Gold: -40 to +120°C
Tin: -40 to +105°C

Ordering Information

Part No.	Description	Length (m)	Number of Circuits
245136-0405	Mega-Fit® Overmolded Cable Assembly	0.5	4
245136-0410		1.0	
245136-0420		2.0	

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

www.molex.com/link/overmolded.html