

Custom Overmolded Cable Assemblies



Molex designs and manufactures custom overmolded cable assemblies in multiple circuit sizes and cable lengths, providing rugged strain relief at the interface between the connector and the jacketed cable



Custom Overmolded Cable Assemblies

Features and Advantages

Design flexibility

Various connector family options offer solutions based on size, current carrying capacity, wire style or circuit-size needs



Positive latching on housings
Prevents accidental disconnects

Overmolded strain relief

Reduces mechanical stress on wires and terminals



Double-ended assemblies

Provide a variety of application options

Overmolded Cable Assembly



EXTreme Ten60Power Overmolded Cable Assembly

Clean body terminals

Protect against potential damage of terminals during handling and mating



Micro-Fit Overmolded Cable Assembly



Mini-Fit Overmolded Cable Assembly



EXTreme Guardian Overmolded Cable Assemblies; from L to R: 3- and 2-Circuit Straight, 2-Circuit Right-Angle

Markets and Applications

Consumer

- Gaming machines
- PCs/laptops
- Vending machines

Data/Computing

- Office equipment

Industrial

- Power supplies

Telecommunications/Networking

- Fan tray assemblies
- Power supplies
- Servers
- Workstations



Servers



Vending



Office Equipment

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Specifications

MOST COMMON RESIN MATERIAL USED:

Soft Resins: used at connector/cable interface.

TPE : Low halogen overmold resin, superior cosmetic appearance, temperature range (max.) — 125°C

PVC: Common overmold resin, temperature range (max.) — 105°C

Hard Resins: used for grommets at chassis interfaces or locking interfaces.

Nylon: Phthalate free overmold resin, temperature range (max.) — 170°C

PBT: Low halogen overmold resin, temperature range (max.) — 220°C

CABLE OPTIONS

Jacketed Cable

Our engineers can suggest custom overmolded cable assembly design solutions based on customer input. Molex Overmolded Cable Assembly Solutions are available in panel-mounted, circular and rectangular form.

Ordering Information

| Custom Product | Description |
|-------------------------------|------------------------------------|
| Contact Molex | Custom Overmolded Cable Assemblies |

www.molex.com/link/customovermoldedcables.html

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