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.

Features and Advantages

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

**Overmolded strain relief**
Reduces mechanical stress on wires and terminals.

**Positive latching on housings**
Prevents accidental disconnects.

**Clean body terminals**
Protect against potential damage of terminals during handling and mating.

**Double-ended assemblies**
Provide a variety of application options.

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

![EXTreme Ten60Power Overmolded Cable Assembly](image)

![Mini-Fit Overmolded Cable Assembly](image)

![Micro-Fit Overmolded Cable Assembly](image)

![EXTreme Guardian Overmolded Cable Assemblies](image)
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

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www.molex.com/link/customovermoldedcables.html

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