

Mini-Fit® Overmolded Cable Assemblies

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Mini-Fit® Double-ended, Overmolded Assemblies with strain relief are available in multiple circuit sizes and cable lengths for a rugged signal connection

Features and Benefits

Overmolded strain relief	Reduces mechanical stress on wires and terminals
Positive latching	Ensures secure retention when receptacle and header or receptacle and plug are mated. Prevents accidental unmating
Polarized mating geometry	Prevents mismating
Terminal provides 4 independent points of contact	Offers redundant, secondary current paths for long-term electrical performance and reliability
Terminal polarization tab	Ensures the terminals can only be fully inserted into the plugs and receptacles. Reduces risk of terminal back out
Both custom and off-the-shelf assemblies available	Provides quick availability for development and production programs and customized versions for final designs

Mini-Fit® 4Overmolded Cable Assembly Family
(4-circuit Version Shown)



Applications

Consumer

- Office equipment
- Fan tray assemblies
- Gaming and vending

Data/Computing

- Personal computers
- Computers, work stations and servers



Work Stations



Office Equipment



Gaming Machines



Mini-Fit® 4-, 6- and 10-Circuit
Overmolded Cable Assemblies

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Specifications

Electrical

Voltage (max.): 600V AC/DC
Current (max.): >9.0A
Contact Resistance: 10 milliohm change from initial
Dielectric Withstanding Voltage: 2200V AC
Insulation Resistance: 1000 Megohms

Mechanical

Contact Insertion Force:
Contact Retention to Housing:
Mating Force:
Unmating Force:
Durability (min.):

Physical

Flammability: UL 94V-0 and Glow Wire
Housing: Nylon
Contact: Brass or Phosphor Bronze
Plating: Tin
Overmolding: PVC, Black, 15% Glass-filled
Operating Temperature: -40 to +105°C

Ordering Information

Part No.	Description	Length (m)	Number of Circuits
245135-0205	Overmolded Mini-Fit® Jr. Cable Assembly	0.5	2
245135-0210		1.0	
245135-0220		2.0	
245135-0405		0.5	4
245135-0410		1.0	
245135-0420		2.0	
245135-0605		0.5	6
245135-0610		1.0	
245135-0620		2.0	
24135-0805		0.5	8
24135-0810		1.0	
24135-0820		2.0	
245135-1005		0.5	10
245135-1010		1.0	
245135-1020		2.0	

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

www.molex.com/link/overmolded.html