



THE DATASHEET OF
2451350220



Off-the-Shelf (OTS) Mini-Fit Jr. Overmolded Cable Assemblies

molex[®]

Off-the-Shelf (OTS) Mini-Fit Double-ended, Overmolded Assemblies with strain relief are available in multiple circuit sizes and cable lengths for a rugged signal connection



Mini-Fit Off-the-Shelf Overmolded Cable Assembly Family (4-circuit Version Shown)

Features and Benefits

Both custom and off-the-shelf assemblies available

Provides quick availability for development and production programs and customized versions for final designs

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

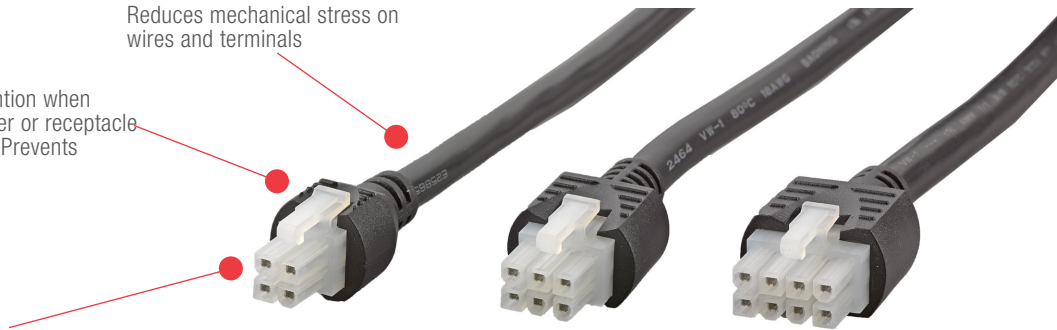
Prevents mis-mating

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 are fully inserted into the plugs and receptacles. Reduces risk of terminal backout



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 Jr. 4-, 6- and 10-Circuit Off-the-Shelf 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: 15N
 Contact Retention to Housing: 30N
 Mating Force: 4.9N (Gold), 15.6N (Tin)
 Unmating Force: 4N (Gold), 13.8N (Tin)
 Durability (min.): 100 Cycles (Tin); 250 Cycles (Gold)

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	OTS Mini-Fit Overmolded Cable Assemblies	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	
245135-0805		0.5	8
245135-0810		1.0	
245135-0820		2.0	
245135-1005		0.5	10
245135-1010		1.0	
245135-1020		2.0	

Custom Product	Description
Contact Molex	Mini-Fit Jr. Off-the-Shelf Overmolded Cable Assemblies

www.molex.com/link/overmolded.html

Looking for pricing, stock, or lifecycle information?

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