

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

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



Mini-Fit Off-the-Shelf Overmolded 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 Jr. 4-, 6- and 10-Circuit Off-the-Shelf Overmolded Cable Assemblies

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Specifications

Electrical

Voltage (max.): 300V AC/DC
 Current (max.): 8.4A
 Dielectric Withstanding Voltage: 2000V AC
 Insulation Resistance (min.): 10 Megohms

Mechanical

Insertion Force to PCB (max.): 15N
 Retention Force (min.): 30.0N
 Mating Force (max. per circuit): 15.6N
 Unmating Force (max. per circuit): 13.8N
 Wire Pullout Force (min.): 89.0N
 Durability (min.): 100 cycles

Physical

Flammability: UL 94V-2
 Housing: Nylon, Natural
 Terminal: Copper Alloy
 Plating: Tin
 Wire/Cable: UL2464, Black, 80°C, xC*18AWG, 300V
 Overmolding resin: PVC, Black
 Operating Temperature: -20 to +80°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