

Micro-Fit Cable Assemblies

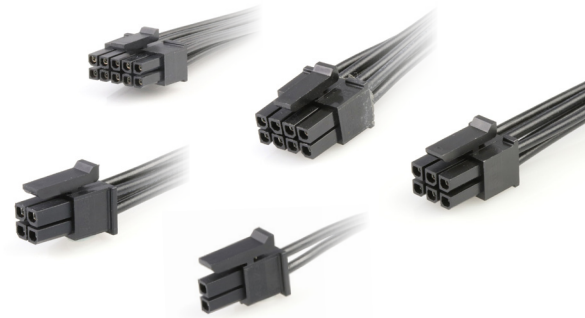


Standard Micro-Fit TPA and non TPA Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 3.00mm-pitch connector with a 6.5 to 8.5A maximum current rating to facilitate both prototyping and global production

Features and Advantages

Multi-color cable configurations with Micro-Fit TPA and non TPA Receptacles available off the shelf

Designed to support development and production programs. Multi-color cables ensure correct connection



Available in single- and dual-row configurations
Provides design flexibility

Micro-Fit TPA and non TPA Receptacles' 6.5 to 8.5A current rating and 3.00mm pitch

Delivers a high-density, lower power connection. Reduces terminal back-out

Meets 2011/65/EU RoHS Compliance
Decreases engineering time and resources

Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

Applications

Consumer / Home Appliance

Harness manufacturers
Appliances

Data / Computing

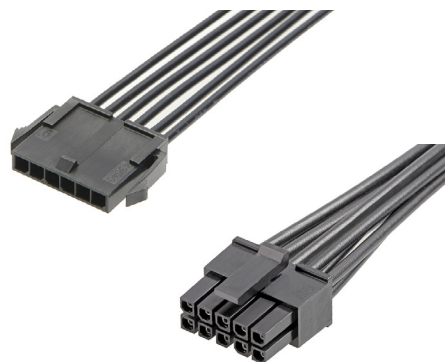
Harness manufacturers
Desktops
Workstations
Power supplies
Uninterruptible Power Supply (UPS)

Telecommunications / Networking

Harness manufacturers
Servers
Routers
Switches

Automotive / Commercial Vehicle

Harness manufacturers
Non-sealed applications
Inside devices



UL 1007 discrete wires (TPA versions); UL1061 discrete wires (single-row; TPA versions); UL 1061 discrete wires (dual-row; non TPA versions)

Ready to use in electronic appliance applications. Provide ease of design, prototyping and production



Workstation



Refrigerator



Servers

Specifications

REFERENCE INFORMATION

Packaging:
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With:
 Micro-Fit 3.0 Connectors
 Use With: Micro-Fit Headers
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: No, Low Halogen
 Glow Wire Compliant: No

ELECTRICAL

Voltage (max.): 300V AC/DC
 Current (max.): 6.5 to 8.5A

MECHANICAL

Contact Insertion Force (max.): 14.7N per contact
 Contact Retention to Housing (min.): 24.5N
 Mating Force (max.): 8N per circuit
 Durability (max.): typically 30 cycles, refer to product specifications

PHYSICAL

Housing:
 Panel Mount Ears
 Receptacle: Black; without TPA
 Plug: Black; without TPA
 Flammability:
 UL 94V-0
 Operating Temperature:
 Up to 105°C for TPA variant
 Up to 80°C for non TPA variant
 Up to 105°C for single row TPA variant
 Plating:
 Contact Area--Tin (1.02µm) and Gold (0.76µm)

Ordering Information

Series No.	Product	Circuits	Lengths
45132	Off-the-Shelf Micro-Fit Dual-Row TPA Discrete Wire Cable Assemblies	4, 6, 8	150.00mm, 300.00mm and 600.00mm
145132	Off-the-Shelf Micro-Fit Single-Row TPA Discrete Wire Cable Assemblies	2 to 7	150.00mm, 300.00mm and 600.00mm

Custom Product	Description
Contact Molex	Micro-Fit Discrete Wire Cable Assembly, Custom Lengths and Other Options

Series	Description	Circuit	Lengths (mm)
45132	Off-the-Shelf Micro-Fit Dual-Row TPA Discrete Wire Cable Assemblies	4, 6, 8	150.00, 300.00, 600.00
145132	Off-the-Shelf Micro-Fit Single-Row TPA Discrete Wire Cable Assemblies	2 to 7	
214755	Off-the-Shelf Micro-Fit Dual-Row non TPA Discrete Wire Cable Assemblies	2, 4, 6, 8, 10	
214756			
214757			
214758			

Series	Description	Circuits	Lengths (mm)
214750	OTS Micro-Fit 3.0 DR Discrete Wire Cable Assemblies Gold and Tin	2, 3, 4, 5, 6, 8, 10	150.00, 300.00, 600.00
214751			
214752			
214753			

www.molex.com/link/otscableassemblies.html