

# Micro-Fit Cable Assemblies

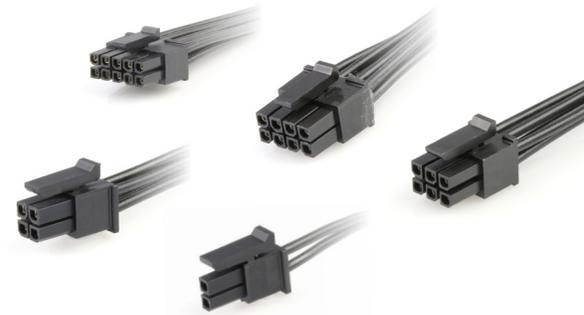


Standard Micro-Fit TPA and non TPA Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 3.00mm-pitch connector with a 6.5 to 8.5A maximum current rating to facilitate both prototyping and global production

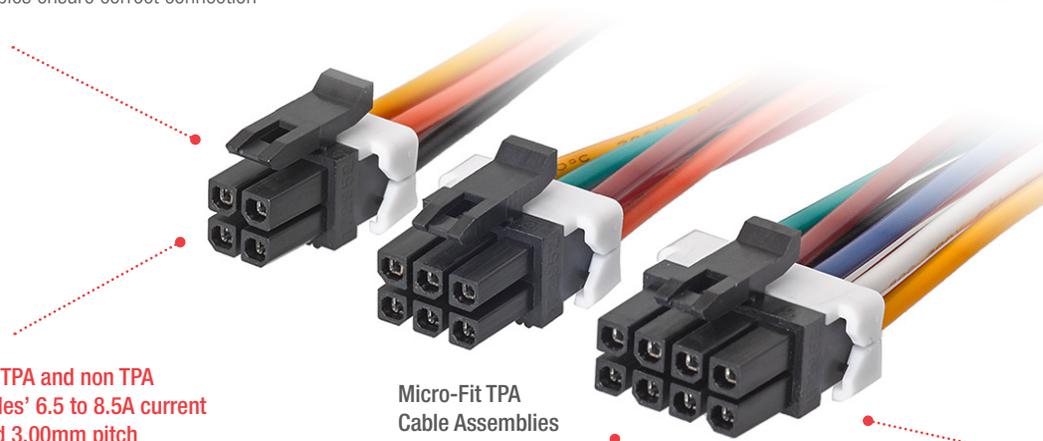
## Features and Advantages

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

Micro-Fit TPA Cable Assemblies

Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

Meets 2011/65/EU RoHS Compliance

Decreases engineering time and resources

## 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



Micro-Fit Non-TPA Cable Assemblies

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 (mm)
<a href="#">45132</a>	Off-the-Shelf Micro-Fit Dual-Row TPA Discrete Wire Cable Assemblies	4, 6, 8	150.00, 300.00 and 600.00
<a href="#">145132</a>	Off-the-Shelf Micro-Fit Single-Row TPA Discrete Wire Cable Assemblies	2 to 7	150.00, 300.00 and 600.00

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

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

Series	Description	Circuits	Lengths (mm)
<a href="#">214750</a>	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
<a href="#">214751</a>			
<a href="#">214752</a>			
<a href="#">214753</a>			

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)