

# Micro-Fit Cable Assemblies

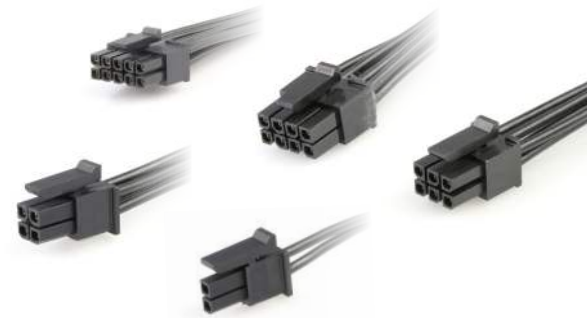


Standard Micro-Fit TPA and non TPA Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 3.00mm-pitch connector with a 6.5 to 8.5A maximum current rating to facilitate both prototyping and global production

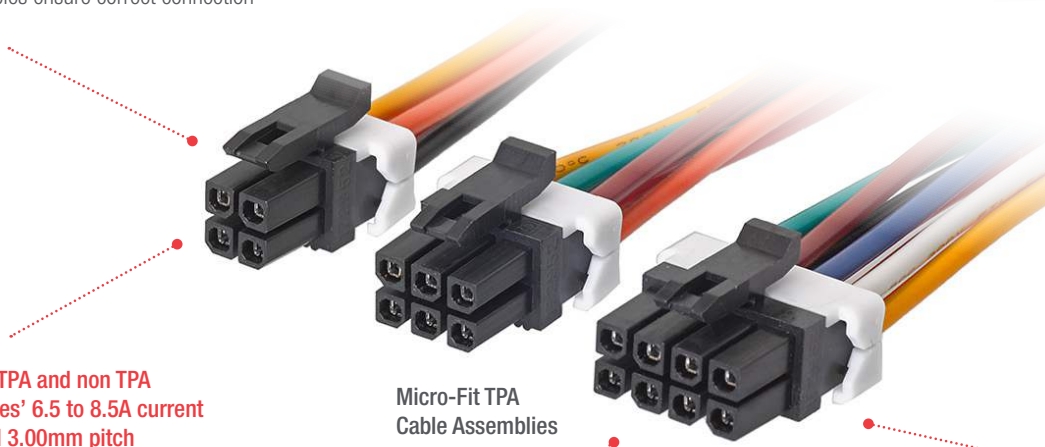
## Features and Advantages

**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)