

# Standard Mini-Fit® TPA2 Cable Assemblies

**molex®**

Standard Mini-Fit® TPA2 Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 4.20mm-pitch connector with a 9.0A maximum current rating to facilitate both prototyping and global production

## Features and Benefits

### Multi-color cable configurations with Mini-Fit® TPA2 Connectors available off the shelf

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

### UL 1061 discrete wires

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

### Both custom and off-the-shelf assemblies available

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

### Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

### Pin-to-pin mapping from receptacle to PCB header

Meets 2011/65/EU RoHS compliance. Decreases engineering time and resources

## Applications

### Consumer/Home Appliances

#### Data/Communications

Office equipment

#### Automotive

Harness manufacturers

Non-sealed applications

Inside devices

#### Industrial Automation

Equipment

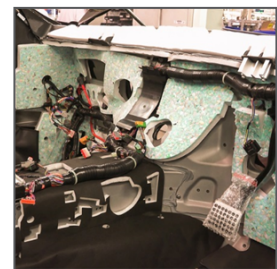
Networks



Industrial Automation: Equipment



Industrial Automation: Networks



Automotive

# Standard Mini-Fit® TPA2 Cable Assemblies



## Specifications

### REFERENCE INFORMATION

Packaging: See Product Specs  
UL File No.: E29179  
CSA File No.: LR19980  
Mates With: All Mini-Fit  
Terminal Used: Series 172718 and 172765  
Designed In: Millimeters  
RoHS: Yes  
Halogen-Free: Low  
V-O: Yes  
Glow-Wire Compliant: Available Option in 2017

### ELECTRICAL

Voltage (max.): 600V AC/DC  
Current (max.): 13.0A  
Contact Resistance: 10 milliohm change from initial  
Dielectric Withstanding Voltage: 2200V  
Insulation Resistance (min.): 1000 Megohms

### MECHANICAL

Contact Insertion Force: 15N (3.4 lbf)  
Contact Retention to Housing: 30N (6.74 lbf)  
Mating Force: 14.7N (3.3lbf)  
Unmating Force: 1.0N (0.22 lbf)  
Thumb Latch Yield Strength: 60N (13.5 lbf) MIN (V-O)

### PHYSICAL

Pitch: 4.20mm  
Wire Gauge: 16 to 24 AWG  
Housing: Nylon  
Contact: Brass or Phosphor Bronze  
Plating: Tin  
Operating Temperature: -40 to +105°C

## Ordering Information

Series	Component	Circuits	Lengths
<a href="#">45135</a>	Off-the-Shelf Mini-Fit® TPA2 Discrete Wire Cable Assemblies	2, 4, 6, 8	150.00mm, 300.00mm and 1.0m

Custom Product	Description
<a href="#">Contact Molex</a>	Mini-Fit® TPA 2 Discrete Wire Cable Assembly Custom lengths and other options

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