

Standard Mini-Fit® TPA 2 Cable Assemblies

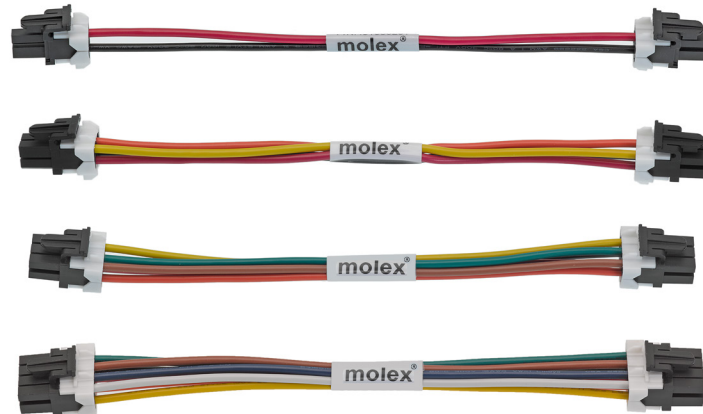


Standard Mini-Fit® TPA 2 Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 4.20mm-pitch connector with a 13.0A maximum current rating to facilitate both prototyping and global production

Features and Benefits

Multi-color cable configurations with Mini-Fit TPA 2 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.

Pin-to-pin mapping from receptacle to PCB header

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 Appliances

Data/Communications

Office equipment

Automotive

Harness manufacturers

Non-sealed applications

Inside devices

Industrial Automation

Equipment

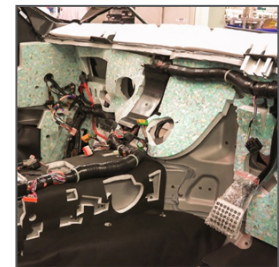
Networks



Industrial Automation: Equipment



Industrial Automation: Networks



Automotive

Standard Mini-Fit® TPA 2 Cable Assemblies



Specifications

REFERENCE INFORMATION

Packaging: See Product Specs
UL File No.: E29179
CSA File No.: LR19980
Mates With: All Mini-Fit
Terminal Used: 172718 and 172765 Series
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-0)

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 (m)
45135	Off-the-Shelf Mini-Fit® TPA 2 Discrete Wire Cable Assemblies	2, 4, 6, 8	150mm, 300mm, 1M

www.molex.com/link/otscableassemblies.html