chanhvinh.com

Mini-Fit TPA2 and non-TPA Off-the-Shelf (OTS) Discrete Wire Cable Assemblies

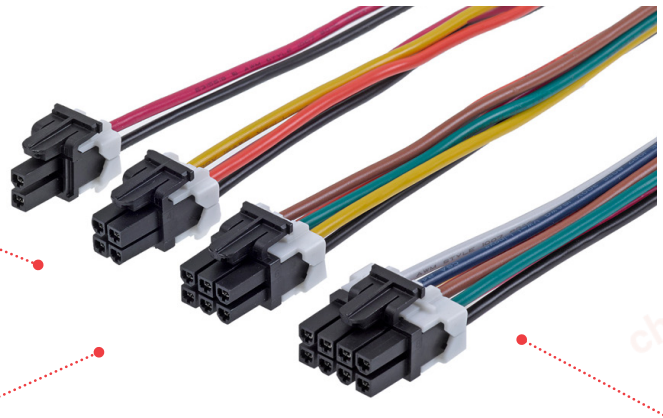
molex

Standard Mini-Fit TPA2 and non-TPA 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 Advantages

UL 1007 and UL 1015 discrete wires (dual-row versions); UL 1061 and UL 1015 discrete wires (single-row versions)
Ready to use in electronic appliance applications. Provide ease of design, prototyping and production

Multi-color cable configurations with Mini-Fit TPA2 and non-TPA Connectors available off the shelf
Designed to support development and production programs. Multi-color cables ensure correct connection



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

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

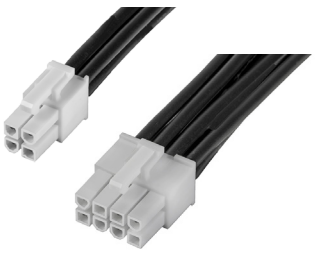
Applications

Consumer
- Fitness equipment
- Home entertainment systems
- Home appliances
- Home office
- Home security systems
- Portable electronic devices
- Gaming consoles
- Mobile devices

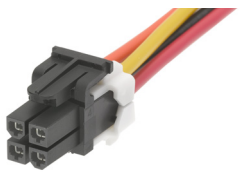
Automotive
- Harness manufacturers
- Non-sealed applications
- Inside devices

Industrial
- Automation equipment
- Vending machines
- Process controls

Medical
- Patient monitors



Mini-Fit Non-TPA Dual-Row 4- and 8-Circuit Cable Assembly



Mini-Fit TPA Dual-Row 4-Circuit Cable Assembly



Mini-Fit TPA Single-Row 4-Circuit Cable Assembly



Home Appliance



Home Office



Automotive: Inside Devices

chanhvinh.com

Mini-Fit TPA2 and non-TPA Off-the-Shelf (OTS) Discrete Wire Cable Assemblies

molex

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-0: Yes
Glow-Wire Compliant: No

ELECTRICAL
Mini-Fit TPA2 Cable Assemblies
Voltage (max.): 300V AC/DC
Mini-Fit non-TPA Cable Assemblies
Voltage (max.): 600V AC/DC
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:
Mini-Fit TPA2 Cable Assemblies
Up to 80°C
Mini-Fit non-TPA Cable Assemblies
Up to 105°C

Ordering Information

Series	Component	Circuits	Lengths
45135	Off-the-Shelf Mini-Fit TPA2 Discrete Wire Cable Assemblies	2, 4, 6, 8	150.00, 300.00mm and 1.0m
145135	Off-the-Shelf Mini-Fit-Fit Single-Row TPA Discrete Wire Cable Assemblies	2, 3, 4, 5, 6	75.00, 150.00, 300.00mm and 1.0m
215325	OTS Mini-Fit Jr. DR Discrete Wire Cable Assemblies Gold and Tin	2, 4, 6, 8, 10	150.00, 300.00 and 600.00mm
215326			
215327			
215328			
215320	OTS Mini-Fit Jr. SR Discrete Wire Cable Assemblies Gold and Tin	2, 3, 4, 5, 6	150.00, 300.00 and 600.00mm
215321			
215322			
215323			

Custom Product	Description
Contact Molex	Mini-Fit TPA2 Discrete Wire Cable Assembly Custom lengths and other options

www.molex.com/link/otscableassemblies.html

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.

Order No. 987651-5853 Rev. 3 USA/0k/GF/2020.06
©2020 Molex