

Micro-Fit TPA Cable Assemblies

molex

Standard Micro-Fit TPA Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 3.00mm-pitch connector with a 5.0A maximum current rating to facilitate both prototyping and global production

Features and Advantages

Multi-color cable configurations with Micro-Fit 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 Receptacles' 5.0A current rating and 3.00mm pitch
Delivers a high-density, lower power connection. Reduces terminal back-out

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 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

UL 1007 discrete wires (dual-row versions);
UL 1061 discrete wires (single-row 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
Glow Wire Compliant: No

ELECTRICAL

Voltage (max.): 600V
Current (max.): 5.0

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: Nylon
Operating Temperature: -40 to +105°C

Ordering Information

Series No.	Product	Circuits	Lengths
45132	Off-the-Shelf Micro-Fit Dual-Row TPA Discrete Wire Cable Assemblies	4, 6, 8	150.00mm, 300.00mm and 1.0m
145132	Off-the-Shelf Micro-Fit Single-Row TPA Discrete Wire Cable Assemblies	2 to 7	75.00mm, 150.00mm, 300.00mm, 1.0m

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