

Micro-Fit Cable Assemblies

molex

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

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

Meets 2011/65/EU RoHS Compliance

Decreases engineering time and resources

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

Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

Applications

Consumer / Home Appliance

- Harness manufacturers
- Appliances

Data / Computing

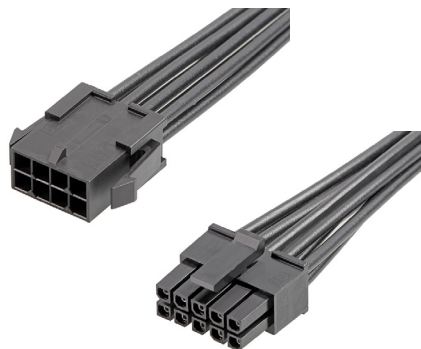
- Harness manufacturers
- Desktops
- Workstations
- Power supplies
- Uninterruptible Power Supply (UPS)

Telecommunications / Networking

- Harness manufacturers
- Servers
- Routers
- Switches

Automotive / Commercial Vehicle

- Harness manufacturers
- Non-sealed applications
- Inside devices



UL 1007 discrete wires (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
Plating:
Contact Area--Tin (1.02µm) and Gold (0.76µm)

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 600.00mm |
| 145132 | Off-the-Shelf Micro-Fit Single-Row TPA Discrete Wire Cable Assemblies | 2 to 7 | 150.00mm, 300.00mm and 600.00mm |

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

| Series | Description | Circuit | Lengths (mm) |
|------------------------|---|----------------|------------------------|
| 45132 | Off-the-Shelf Micro-Fit Dual-Row TPA Discrete Wire Cable Assemblies | 4, 6, 8 | 150.00, 300.00, 600.00 |
| 145132 | Off-the-Shelf Micro-Fit Single-Row TPA Discrete Wire Cable Assemblies | 2 to 7 | |
| 214755 | Off-the-Shelf Micro-Fit Dual-Row non TPA Discrete Wire Cable Assemblies | 2, 4, 6, 8, 10 | |
| 214756 | | | |
| 214757 | | | |
| 214758 | | | |

www.molex.com/link/otscableassemblies.html

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