Mega-Fit Off-the-Shelf (OTS) Discrete Wire Cable Assemblies

Off-the-shelf Mega-Fit Cable Assemblies come in a variety of cable lengths with a compact connector to support both prototyping and global production.

Features and Benefits

UL 1061 discrete wires for micro cable assemblies; UL 1007 discrete wires for other assemblies
Ready to use in electronic appliance applications. Provide ease of design, prototyping and production

Mega-Fit OTS Discrete Wire Cable Assembly delivers 23.0A per circuit with a 5.70mm pitch
Offers more power per linear and square millimeter than most midrange power products

Pin-to-pin mapping from receptacle to PCB header
Provides ready-to-use, plug-and-play connections

Assembled in ISO/TS16949-certified facilities
Ensures high quality. Meets current automotive industry standards

Home Appliances
Heaters and air conditioners
Washers and Dryers

Commercial Vehicle
Power Converters
Unsealed Electronic Control Modules

Industrial Automation
Machinery and Heavy Equipment

Applications

Washer

Mega-Fit Dual-Row Cable Assembly Family, 2, 4, 6, 8, 10 and 12 Circuits
Specifications

**ELECTRICAL**
- Voltage (max.): 600V
- Current (max.): 23.0A
- Contact Resistance (max.): 6 milliohms

**MECHANICAL**
- Contact Insertion Force into Housing (max.): 30N
- Contact Retention to Housing (min.): 175N
- Latch Strength (min.): 200N
- Insertion Force to PCB: TBD
- Mating Force (max.): 5.6N per circuit (Gold)
- Unmating Force (min.): 5.6N per Circuit (Gold)
- Durability (max.): 200 Mating Cycles (Gold)

**PHYSICAL**
- Header: UL 94-V-0 Glow Wire and Low Halogen
- Contact: High-Conductivity Copper
- Plating:
  - Contact Area — Gold
  - Solder Tail Area — Tin (Sn)
- Underplating: Nickel (Ni)
- Operating Temperature: -40 to +105°C

Ordering Information

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<thead>
<tr>
<th>Series No.</th>
<th>Component</th>
<th>Type</th>
<th>Circuits</th>
<th>Length (mm)</th>
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<tbody>
<tr>
<td>45136</td>
<td>Mega-Fit Receptacle</td>
<td>Dual Row</td>
<td>2, 4, 6, 8, 10 and 12</td>
<td>150, 300, 1,000</td>
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<table>
<thead>
<tr>
<th>Custom Product</th>
<th>Description</th>
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<tr>
<td>Contact Molex</td>
<td>Mega-Fit custom lengths and other options</td>
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</table>

www.molex.com/link/otscableassemblies.html

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