

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

**molex**

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 Dual-Row Cable Assembly Family, 2, 4, 6, 8, 10 and 12 Circuits*

**Meets 2011/65/EU RoHS Compliance**

Decreases engineering time and resources

**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



## Applications

### Home Appliances

Heaters and air conditioners  
Washers and Dryers

### Commercial Vehicle

Power Converters  
Unsealed Electronic Control Modules

### Industrial Automation

Machinery and Heavy Equipment



Washer



Industrial Automation

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



## 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

| Series No. | Component           | Type     | Circuits              | Length (mm)     |
|------------|---------------------|----------|-----------------------|-----------------|
| 45136      | Mega-Fit Receptacle | Dual Row | 2, 4, 6, 8, 10 and 12 | 150, 300, 1,000 |

| Custom Product                | Description                               |
|-------------------------------|-------------------------------------------|
| <a href="#">Contact Molex</a> | Mega-Fit custom lengths and other options |

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)

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