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

Custom assemblies for production also available
Meet design needs after prototyping is complete. Molex's extensive design and manufacturing expertise can meet the unique challenges of the most demanding applications



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

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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
Contact Molex	Mega-Fit custom lengths and other options

www.molex.com/link/otscableassemblies.html

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