

# Off-the-Shelf Mega-Fit Single-Row Cable Assemblies

**molex**

Off-the-Shelf Mega-Fit Single-Row Cable Assemblies deliver a 25.0A current rating and offer a variety of cable lengths with a compact connector to support both prototyping and global production



Mega-Fit SR Cable Assemblies

## Features and Advantages

### Polarizing and unique keying features

- Provide protection of the terminals in the receptacle
- Allow for compatibility with all current Mega-Fit Single-Row headers
- Prevent electrical arcing when charged

### New housing material

Meets V0 and glow-wire European standards

### Uniquely keyed

Avoids mis-mating of receptacles to header housings

### TPA

Prevents terminal backout

### TPA lead-in

Provides a guide and lead-in for the TPA on both the receptacle and plug

### New latch design

Provides superior retention when mated to the header and allows for low-mating force

### New latch with grip steps

Provides superior retention

### Individually polarized header

Helps prevent electrical arcing and helps support the keying feature

### Internal receptacle locking mechanism

Supports the tangles locking terminal with low insertion force

## Markets and Applications

### Commercial Vehicles

- Power converters
- Unsealed electronic control modules

### Home Appliances

- Heaters and air conditioners
- Washers and dryers

### Industrial

- Lighting and automation
- Machinery and heavy equipment

### Telecommunications/Networking

- Power supplies and distribution
- Servers
- Switches



Home appliances



Automotive



Industrial

# Off-the-Shelf Mega-Fit Single-Row Cable Assemblies



## Specifications

### REFERENCE INFORMATION

Packaging: Bulk (connectors); reels (terminals)  
UL File No.: E29179  
CSA File No.: 152514  
Use With: 12 AWG  
Insulation Diameter: 3.90 mm  
Designed In: Millimeters  
RoHS: Yes  
Halogen-Free: No  
Glow Wire Compliant: Yes

### ELECTRICAL

Voltage (max.): 600V AC/DC  
Current (max.): Up to 25.0A  
Contact Resistance (max.): 2 milliohms  
Dielectric Withstanding Voltage: 2000V AC (unmate connectors for 1 minute between adjacent terminals and between terminals to ground)  
Insulation Resistance (min.): 1000 Megohms

### MECHANICAL

Terminal Insertion Force (max): 20N  
Terminal Retention to Housing (min): 66N with TPA  
Mating Force (max.): 6.8N  
Unmating Force (min.): 5.0N  
Durability (max.): 25 cycles

### PHYSICAL

Housing: Nylon  
Contact: High Conductivity Copper  
Plating:  
Contact Area – Tin  
Underplating – Tin  
Operating Temperatures: -40 to +105°C

\*Information is based on Mega-Fit connector specifications

## Ordering Information

	Component	Circuits	Lengths (mm)
216400	Off-the-Shelf Mega-Fit Single-Row Cable Assemblies	2,3, 4 and 6	150, 300 and 600
216401			

Custom product	Description
<a href="#">Contact Molex</a>	Off-the-Shelf Mega-Fit Custom Cable Assemblies

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

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