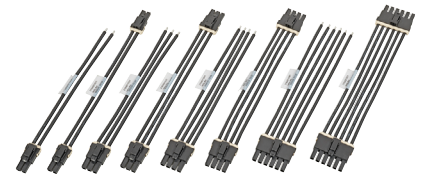


Off-the-Shelf Mega-Fit Single-Row Cable Assemblies

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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 tangless 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

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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 (unmated 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
Contact Molex	Off-the-Shelf Mega-Fit Custom Cable Assemblies

www.molex.com/link/otscableassemblies.html

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