

Off-the-Shelf (OTS) Mini-Fit Sr. Discrete Wire Cable Assemblies

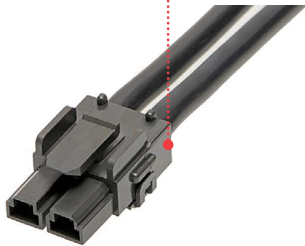
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OTS Mini-Fit Sr. Discrete Wire Cable Assemblies are available in a variety of circuits and cable lengths to facilitate both prototyping and global preproduction

Features and Advantages

Terminal position assurance (TPA) retainer required on housings

Prevents terminal back-out



High amperage (46.0 to 50.0A) isolated contacts

Support high-power server, telecommunication and industrial equipment requirements



Dual-beam (female) terminal design

Gives four points of contact and ensures superb contact reliability

Silver-plated contacts

Offer significant cost-savings over gold-plated systems. Avoid the need to manually lubricate Tin-plated versions to mitigate fretting corrosion



Polarized housing design

Prevents mis-mating

Applications

Consumer

Washers and dryers
Refrigerators

Networking

Routers/switches

Medical

X-ray

Commercial Vehicle

Construction equipment
Farm equipment
Heavy equipment
Recreational vehicles
Semi-trucks

Industrial

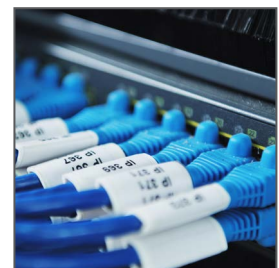
Automation equipment
Conveyor belt
Process controls



Semi-truck



Appliances



Routers

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Specifications

REFERENCE INFORMATION

Length Options (mm): 150.00, 300.00 and 1000.00
Circuit Size Options: 2, 3 and 4 circuits
Wire Gauge: 8 AWG
UL 1015 Industry-standard discrete wire

MECHANICAL

Contact Insertion Force (max.): 29.42N
Contact Retention to Housing (min.): 98.06N
Mating Force (max.): 29.42N
Unmating Force (min.): 2.45N
Durability (max.): 100 times at a maximum rate of 10 cycles per minute

ELECTRICAL

Voltage (max.): 600 V AC/DC
Current (max.): 46.0 to 50.0A (depends on circuit size) for 8 AWG cable.
Contact Resistance (max.): 1.0 milliohms
Dielectric Withstanding Voltage: 2200V AC for 1 minute between adjacent terminal or ground.
Insulation Resistance (min.): 1000 Megohms

PHYSICAL

Housing: 94V-0 (non-glow wire capable)
Contact: Gold over Nickel
Plating: Gold
Contact Area: Pre-plated Gold
Operating Temperature: -40 to +105°C

Ordering Information

Series No.	Component	Type	Circuits	Length (mm)
<u>36924</u>	Off-the-Shelf Mini-Fit Sr. Discrete Wire Cable Assemblies Receptacle	Single Row	2, 3 and 4	150.00, 300.00 and 1000.00

Custom Product	Description
<u>Contact Molex</u>	Mini-Fit Sr. Custom Cable lengths and other options

www.molex.com/link/otscableassemblies.html

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