

## FEATURES AND SPECIFICATIONS

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# 3.00mm (.118") Pitch Micro-Fit 3.0™ Overmolded Cable Assemblies

79516

**Double-ended, Overmolded Assemblies with strain relief are available in multiple circuit sizes and cable lengths for a rugged signal connection**

Micro-Fit 3.0 Overmolded Cable Assemblies are designed to meet the need for a high contact-density connector for signal or power applications. Available in 2, 4, 6 and 10 circuit sizes and 1, 3 and 5 meter lengths, the assemblies incorporate an overmolded strain relief mechanism for reduced mechanical stress.

The double-ended cable assemblies are capable of carrying 5 amperes of current. The housing features fully isolated contacts on each side of the connection, offering electrical and mechanical protection to the terminals. The overmolded strain relief reduces the mechanical stress on the wires and terminals during the mating and un-mating cycles. A positive latch on the housing prevents accidental disconnection caused by rough handling.

These Overmolded Cable Assemblies complement the broad line of Molex's Micro-Fit 3.0 offerings. With more than 500 part numbers and still growing, this expansive product line offers through hole and SMT options. SMT versions are available in tape and reel packaging for robotic placement on the PCB.



### Features and Benefits

- Fully polarized housing prevents accidental mis-mating
- Positive latch prevents accidental disconnects
- Locking tang on terminal secures terminals in the housings
- Overmolded strain relief reduces the mechanical stress on the wires and terminals
- Double-ended assemblies provide a variety of application options

## SPECIFICATIONS

### Reference Information

Packaging: Bag  
Mates With: 43020 and 43045  
Designed In: Millimeters

### Electrical

Voltage: 250V  
Current: 3.0A max.  
Contact Resistance: 10 milliohms max.  
Dielectric Withstanding Voltage: 1500V AC  
Insulation Resistance: 1000 Megohms min.

### Mechanical

Contact Insertion Force: 1.5kgf (3.31 lbf) max.  
Contact Retention to Housing: 2.5kgf (5.51 lbf) min.  
Mating Force: 1.0kgf (2.20 lbf) max. per contact  
Unmating Force: 3.7N (0.83 lbf) per circuit  
Durability: Male connectors up to 30 cycles at a maximum rate of 10 cycles per minute

### Physical

Housing: Polyester  
Flammability: UL 94V-0  
Contact: Phosphor Bronze  
Plating:  
Contact Area — Phosphor Bronze  
Solder Tail Area — Tin (Sn)  
Overmolding: PVC, Black, 15% Glass-filled  
Flammability: UL 94V-2  
Operating Temperature: -40 to +105°C



## APPLICATIONS

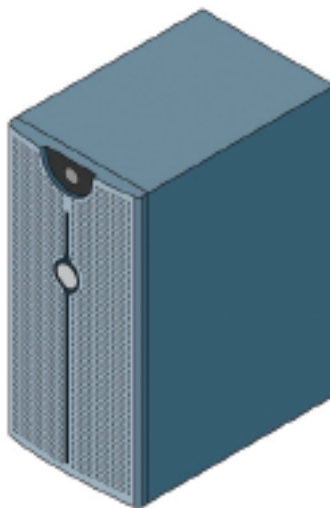
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## 3.00mm (.118") Pitch Micro-Fit 3.0™ Overmolded Cable Assemblies

**79516**

- Computer
  - Servers
  - Fan tray assemblies
- Medical
- Other Markets
  - Gaming and vending
  - Power supplies (computer, laptop, etc.)



## ORDERING INFORMATION

### Double-ended Dual-Row Cable Assemblies

Order No.	Circuit	Cable Length (meter)
79516-1021	2	1
79516-1023		3
79516-1025		5
79516-1041	4	1
79516-1043		3
79516-1045		5
79516-1061	6	1
79516-1063		3
79516-1065		5
79516-1101	10	1
79516-1103		3
79516-1105		5

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