

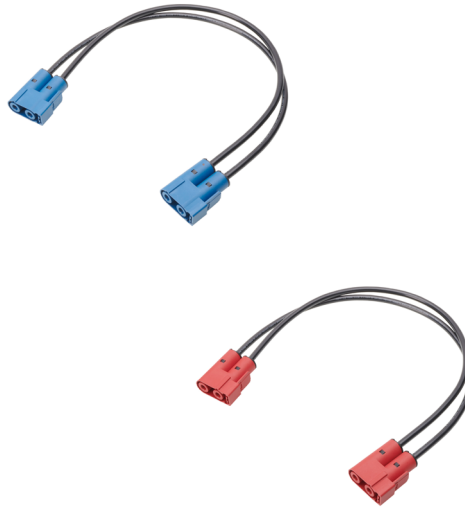
Off-the-Shelf (OTS) PowerWize Cable Assemblies >

OTS PowerWize Cable Assemblies offer complete design flexibility and unique design features to facilitate both prototyping and global preproduction

FEATURES AND ADVANTAGES

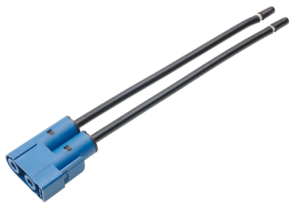
Mechanically keyed and color coded with uniquely positioned ribs on header housings and matching slots on receptacles (based on connector color)

Designed to ensure only like-colored connectors mate; helps prevent mismating when multiple wire-to-board or wire-to-busbar interconnects are used in the same application



Positive locking with active latches on receptacles and barbed geometry on headers

Provides operators tactile and audible feedback during system integration; designed to ensure secure mating; helps prevent cable assemblies from backing off headers due to shock, vibration, or mishandling



Finger touch-safe headers

Designed per UL 60950 to isolate the crimp contacts and to prevent accidental contact with an energized circuit

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MARKETS AND APPLICATIONS

Data Centers

Servers
Data storage units
Power distribution units (PDUs)
UPS/battery storage units
Enterprise switches
Circuit breakers
Routers

Telecom/Datacom

5G/6G Base Stations
Servers
Data storage units
Power distribution units (PDUs)
Uninterruptible power supplies (UPSs)
Digital cross connect switches
Network routers



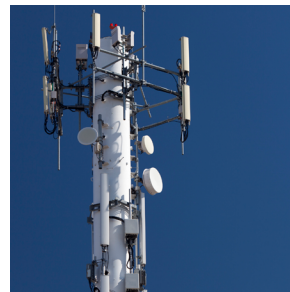
Data Center Server

Industrial

Factory equipment
Battery farms
Robotics

Test and Measurement

Instrumentation devices



5G/6G Base Station



Factory Equipment

SPECIFICATIONS

Reference Information

Packaging: Tray or bag depending on part number; see packaging specifications for details
UL File No.: E29179
CSA File No.: LR19980-70184994
Use With: Printed circuit boards and busbars
Designed In: Millimeters
RoHS: Yes

Physical

Receptacle Housing: PBT
Header Housing: PBT
TPA Retainer: PBT
Contact: High-performance Copper (Cu) Alloy
Plating:
 Socket contact area—Gold (Au)
 Pin—Silver (Ag)
PCB Thickness (min.): 1.58mm
Busbar Thickness (min.): 1.50mm
Operating Temperatures: -40 to +125°C

Electrical (6.00mm Size)

Voltage (max.): 300V
Current (max.): 120.0A
Contact Resistance (max.): 0.25 milliohms

Mechanical (6.00mm Size)

Whole Connector Mating Force (max.): 75N
Whole Connector Unmating Force (min.): 10N
Durability (min.): 200 mating cycles

ORDERING INFORMATION

Series	Component	Type	Circuits	Pitch (mm)	Length (M)
221960	PowerWize Cable Assemblies	R-R, R-S	2	6.00	1

www.molex.com/link/otscableassemblies.html