

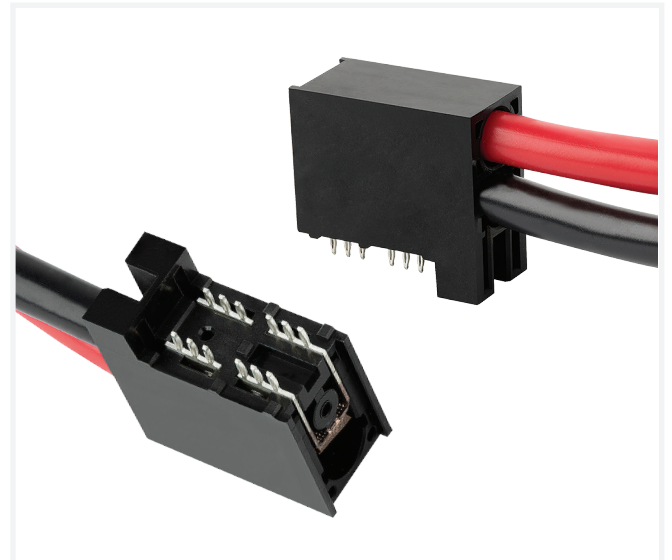
PERMA-TAP™ POWER CABLE ASSEMBLY



PERMANENT CABLE-TO-BOARD POWER DELIVERY

Perma-Tap™ power cable assembly saves space and reduces cost. The wires can be cut, stripped and terminated to customer specific lengths. The connector is press-fit to a PCB to provide a compact and secure power delivery solution.

- Permanent connection between a cable and a PCB with only one connector
- 40A per contact using 8AWG wire
- Compact design
- Press-fit to a pcb



TARGET MARKETS



FEATURES

- Wire options from 12AWG to 8AWG
- Solder or press-fit connection to PCB
- Welded connection between wire and contacts
- Thermoplastic housing supports a wide operating temperature from -40°C to +125°C
- Halogen-free housing

BENEFITS

- Offers design flexibility
- Provides termination options for customers
- Low voltage loss and high reliability
- Adaptable to extreme environments
- Meets next generation environmental requirements



▶ PERMA-TAP™ POWER CABLE ASSEMBLY

TECHNICAL INFORMATION

MATERIAL

- Power Contacts: High Conductivity Copper Alloy
- Housing: High Temperature Thermoplastic, UL 94V-0
- Contact Finish: Tin over Nickel on PCB tail area
- Wire Range: 12AWG to 8AWG

MECHANICAL PERFORMANCE

- PCB Thickness: 1.6mm min.
- Retention Force: 17N min. per tail

APPROVALS AND CERTIFICATIONS

- UL and CSA pending

PACKAGING

- Carton

ELECTRICAL PERFORMANCE

- Current Rating: up to 40A with 8AWG wire (30°C temperature rise in still air)
- Operating Voltage: 200VDC
- Dielectric Withstanding Voltage: 1500V
- Insulation Resistance: 10,000MΩ
- Contact Resistance: 1.0mΩ max.

PART NUMBERS

Description	Part Number
Perma-Tap™ power cable	10136662

*Sold only as a cable assembly

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C (without wire consideration)
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU (without wire consideration)

SPECIFICATIONS

- Product Specification: GS-12-1318
- Application Specification: GS-20-0465

TARGET MARKETS/APPLICATIONS



Telecom
Switches
Datacom/Networking Equipment



Server
Storage Equipment



Industrial Equipment

Disclaimer

Please note that the above information is subject to change without notice.