

HVPC 16mm 2 Poles Connector

High voltage, high current, 35 & 50mm² wire, metal shielded, HVIL

Part-No:

→ Plug:

- HVPC2P16MV135 (50mm²)
Cable Diameter: 14.4+0/-0.6mm
- HVPC2P16MV150 (50mm²)
Cable Diameter: 15.8+0/-0.6mm

→ Socket:

- HVPC2P16FV100 (without HVIL)
- HVPC2P16FV1XX (with HVIL)

Mating design:

→ Locking assurance by CPA

Terminal System:

- W=16mm, T=2.5mm, Silver plated
- Wire size 35/50mm², shielding
- HVIL contact system

Termination technology:

- Ultrasonic welding for power terminal
- Crimping for HVIL terminal

General:

- IP67, IP6K9K(Mated)
- IPXXB(unmated)
- HVIL
- 360° shielding
- Coding: A/B/C/D
- Only match with silicone jacket cable

Performance characteristics:

- Pull out force: ≥ 500N
- Temperature range: -40°C to +140°C
- Rated voltage: 1000V / DC
- Mating cycles: 50min
- Power Rated(@85°C):
 - 35mm² Copper cable: 210A
 - 50mm² Copper cable: 280A
 - 50mm² Aluminium cable: 210A



Construction:

- Housing material: PA66-GF(UL94 V-0)
- Terminal material: Copper alloy
- RFI/EMI protection: Metal shielding

