

CPMx series

wire to panel metal connectors



Metal Push-Pull
Self-locking
High-density contacts



Metal Connectors
Plug/Socket
Locking Methods



PA66 Push-Pull
High-performance
plastics (PC, PA66, PSU, and PEI)



Metal Push-Pull
Self-locking
High-density contacts



Metal Push-Pull
Self-locking
Combo contacts



Bulkhead
Receptacles &
Panel-Mount Sockets



Metal Push-Pull
High-Density
Multicore Type A



Metal Push-Pull
High-Density
Multicore Type B



Bulkhead
Receptacles &
Panel-Mount Sockets

Housing Material:

High-performance plastics such as PC, PA66, PSU, and PEI; copper alloy, aluminum alloy, stainless steel, titanium alloy, and various other metals.

Plug and Socket Locking Methods:

Self-locking upon insertion and removal, threaded locking, bayonet locking for vibration resistance, magnetic attraction, etc.

Protection Rating:

IP50-IP68 deep water, sealed socket, sintered glass.

Installation Methods:

Sizes M5-M45, front panel mounting, rear panel mounting, wire-to-wire floating butt joint, flange socket.

Electrical Performance:

Voltage 250V, contact resistance <math><5\text{m}\Omega</math>, insulation resistance >math>5000\text{M}\Omega</math>, withstand voltage, shielding effect: frequency 10MHz >math>95\text{dB}</math>, frequency 1GHz >math>80\text{dB}</math>.

Environmental performance:

Temperature -55°C to 250°C, salt spray resistance >math>144\text{h}</math>, flame retardant UL 94-V0, mating protection rating IP50-IP68, vibration resistance 10~20000 Hz, 15g, shock resistance 100g.6ms.

Product features:

High-density contacts, quick connection, highly reliable connection, low contact resistance, wide operating temperature range, shock and vibration resistance, long service life.

Feature:

- Single-core
- Multi-core (2-64 cores)
- Coaxial (50 & 75Ω)
- Tri-coaxial (50 & 75Ω)
- Multi-core coaxial
- Multi-core pneumatic circuit
- Multi-core high voltage
- High/low voltage mixed installation
- High/low frequency mixed installation
- Pneumatic/electrical mixed installation
- Large/small current mixed installation
- Customized products
- Non-magnetic











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 **CviLux Group**
www.cvilux.com

9F., No.9, Ln. 3, Sec. 1, Zhongzheng E. Rd., Tamsui Dist., New Taipei City
TEL: +886 2 2620-1000



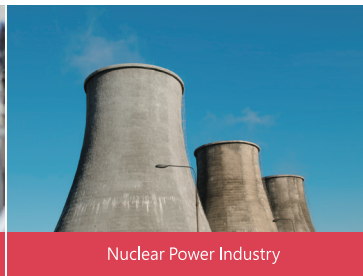
Connector classification								
Plug-in connection	IP68		T 	F 	Y 	IP50	B 	P(Plastic) 
		16F 	H 	M 	HW (deep water) 		C 	New products are under continuous development. Customization services are available...
Screw-in locking								

Products and Applications



- Ultra-fine multi-layer multi-core shielded cable assemblies
- Medical-grade special cable assemblies
- Disposable medical surgical cable assemblies
- Special cable assemblies for complex industrial environments
- Connection assemblies for robotic arms operating in harsh environments
- Cable assemblies for medical endoscope systems
- Vacuum-sealed connection assemblies
- Underwater connection assemblies
- Mixed signal connection assemblies
- System integration and special customization

Application Field



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