



# SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

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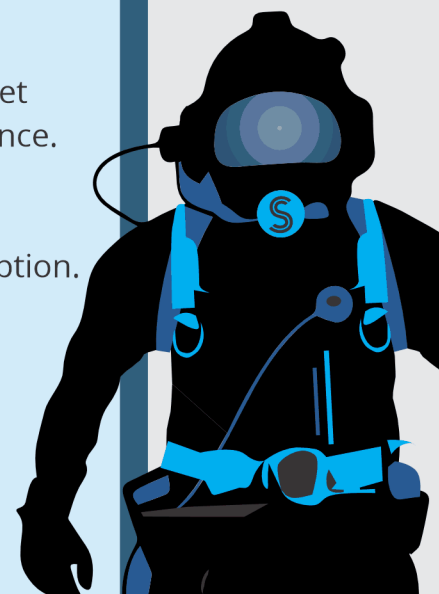
## SubConn IL6F - 6-Pin Female Connector

The SubConn® IL6F is a 6-pin female inline wet-mateable connector, purpose-built for subsea systems requiring sealed, multi-pin electrical connections.

Ideal for use in ROVs, underwater instruments, acoustic devices, and subsea sensor arrays, this connector ensures reliable transmission of power and signals in challenging underwater conditions.

The IL6F features a durable polyurethane body and gold-plated brass socket contacts to deliver consistent electrical performance and corrosion resistance.

As part of the SubConn® wet-mateable series, it enables safe underwater connection and disconnection without risk of water ingress or signal disruption.





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## SubConn® IL6F – 6-Pin Female Wet-Mateable Connector (Inline)



Technical	Specifications:
Series	SubConn® IL Series
Model	IL6F (or MCIL6F for bulkhead-style)
Connector Type	Inline Circular Connector, Female (Socket Contacts)
Number of Contacts	6
Gender	Female
Contact Material	Brass, Gold-Plated
Body Material	Polyurethane (Black)
Cable Termination	Pigtail or Overmolded Cable (length per application)
Mating Interface	Compatible with IL6M / MCIL6M (male connectors)
Operating Depth	600 meters standard (deeper ratings available)
Voltage Rating	Up to 300 V DC
Current Rating	Up to 5 A per contact
Ingress Protection	IP68 / Fully Submersible / Wet-Mateable
Operating Temp.	-20°C to +60°C
Contact Layout	Circular 6-socket configuration
Applications	ROVs, Subsea Cameras, Lights, Sensors, AUVs, Comms

### Key Features

- › **6-socket female** connector for signal, control, or low-voltage power applications
- › Wet-mateable design allows underwater mating without compromising seals
- › Gold-plated contacts ensure high conductivity and corrosion resistance
- › Tough polyurethane body provides mechanical strength and sealing integrity
- › Mates with **IL6M / MCIL6M** SubConn® male connectors
- › Ideal for underwater video, sonar, sensors, and multi-channel subsea systems





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## SubConn® IL6F – 6-Pin Female Wet-Mateable Connector (Inline)

### Contact us



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