

Lightweight Umbilical Cable

Lightweight, Highly Flexible Cable with a Single Streamlined Connector

Lightweight and Flexible Single Tether Cable

The DAVD Flex Umbilical is a lightweight, highly flexible cable designed to connect the PSU (for Single Diver or Multi-Diver) to the diver-worn DPPmax. It delivers both power and 100 Mbps Ethernet through a single, streamlined connector. The umbilical measures 330 ft (100 m), providing ample length for a wide range of diving operations.

The Lightweight Umbilical Cable is a part of the wider, highly configurable **DAVDflex** solution, and is designed to be integrated with industry-leading solutions without sacrificing performance, reliability or ease of use. The **DAVDflex** integrates topside control, a Head-Up Display (HUD), and digital communications for divers, facilitating seamless real-time information exchange between divers and supervisors via augmented reality displays in the diver's helmet. Divers access critical technical data and support from surface teams to optimize mission outcomes and enhance underwater safety.



Some of the innovative *Lightweight Umbilical Cable* features available are:



Reliable Power and Data Communications

The cable provides reliable power and data communications, ensuring stable performance during operation.



100 mb Ethernet Data Link

Lightweight Umbilical features a 100mb Ethernet data link, providing fast and reliable data transfer between topside operator and diver. This enables efficient communication and real-time data exchange.



Depth Rated to 100 m (328 ft)

Engineered for reliable performance underwater, Lightweight Umbilical is rated for depths of up to 100 metres. Its robust sealing and pressure-resistant design ensure durability and functionality during prolonged submersion, making it ideal for marine environments.



Lightweight and Flexible

The cable is lightweight and flexible, making it easy to handle, transport, and deploy in a variety of operational environments. Its design allows for improved maneuverability and reduced strain during use, while maintaining durability and reliability in demanding conditions.

Power Input	24 V DC
Data Input/Output	MCIL6M/E (From Single Diver PSU) MCIL6F/E (To DPPmax)
Dimensions (h x w x d)	345mm x 225mm x 375mm approx. (10.62" x 9.68" x 6.85" approx.)
Weight	16.5 kg approx. (36.37 lbs)

