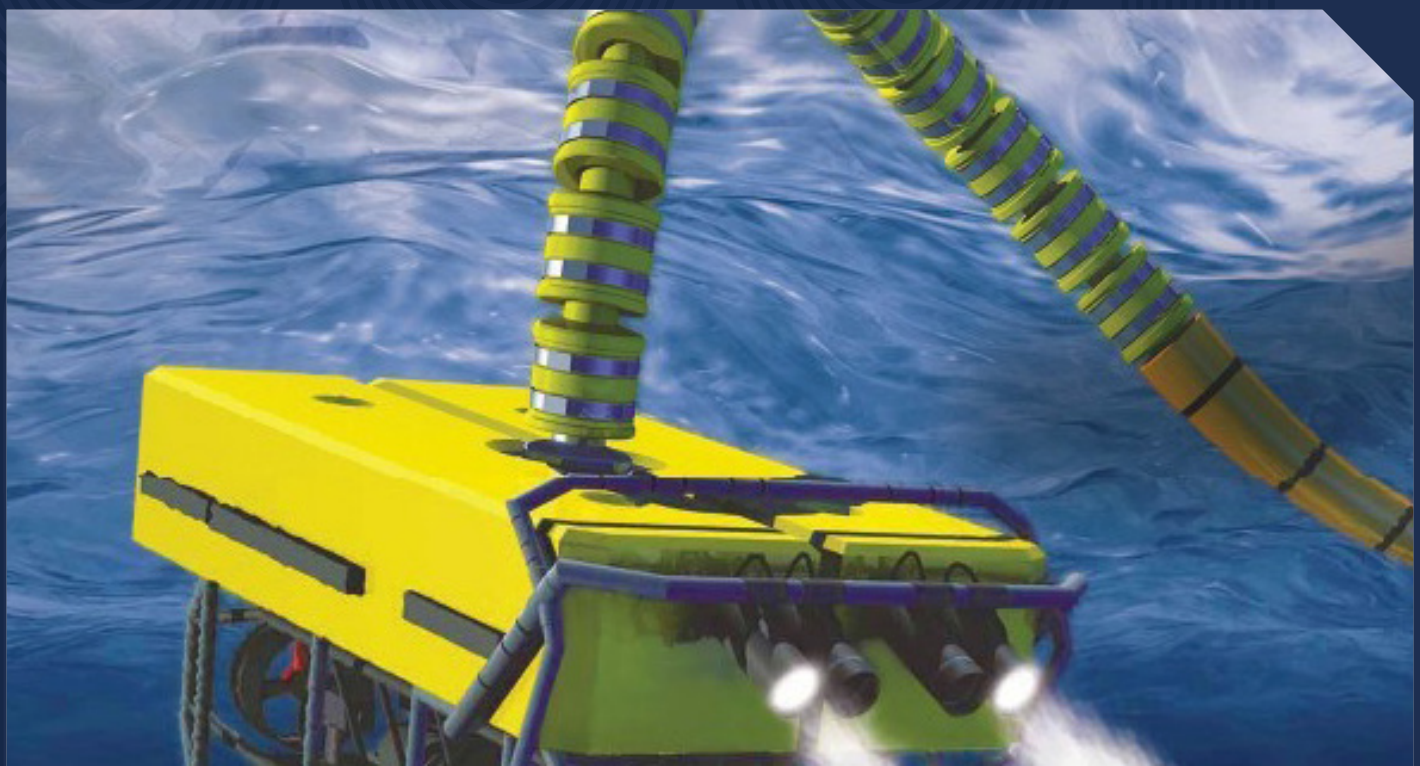
AIS

Subsea

Linksyn

Umbilical bend control

Linksyn provides an even distribution of buoyancy along the umbilical through its interlocking, articulated design. It prevents the umbilical from bending beyond its minimum bend radius while providing mechanical support when loads are applied.



Subsea

Linksyn

Linksyn protects flexible cables and umbilicals from overbending while providing buoyancy to reduce their effective weight. This is particularly beneficial for remotely operated vehicles (ROVs), where minimising additional loads helps preserve payload capacity and operational performance. The buoyancy also provides bend protection and control without introducing additional stress to the end fitting.

Linksyn comprises a series of buoyant, interlocking vertebrae that can be installed directly onto an ROV or plough umbilical termination, or positioned mid-water using a tether clamp.

Each element consists of a buoyant syntactic composite core encapsulated within a resilient polyethylene outer shell.

Benefits

- Reduce umbilical failure
- Controlled management of the umbilical
- Buoyancy trimming of the umbilical
- No 'weight cost' for this protection when in water

Applications

- ROV umbilical termination
- Umbilical
- Hose



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