



Deep-water Large Diameter Cable Jacketing

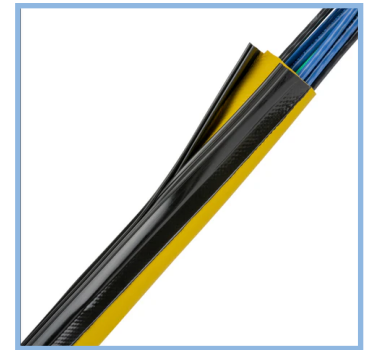
PROBLEM:

A company specializing in offshore, subsea, and deep-water equipment faced challenges managing hoses and cables during installation, maintenance, and repair operations. Their current methods, including tape, straps, and large tubular sleeving, each had significant drawbacks.

REQUIREMENTS:

The engineers needed a solution that addressed these shortcomings. Their specific requirements were:

- **Field Installable:** Must be easy to install on a ship's deck or an offshore platform.
- **Large Diameter Capability:** Needed to cover diameters of up to 9 or 10 inches.
- **Durability:** The material had to withstand saltwater exposure and chemical resistance.
- **Quick Installation/Removal:** Should allow fast adjustments, changes, or troubleshooting.
- **Compatibility with Large Connectors:** Able to pass over connectors or wrap around pre-connected harnesses.
- **High Visibility:** Preferred a bright color for underwater visibility by Remotely Operated Vehicles (ROVs).



SOLUTION:

Custom Hook-N-Shield (VNH)

Zippertubing proposed a custom version of their Zip-On (VNH) cable jacketing system, which addressed all the company's needs. The heavy-duty VNH material was perfect for harsh environments, and it came in the customer's preferred bright yellow color for high visibility underwater.

The D-Track closure allowed quick field installation by wrapping around the hose bundle. It could be easily removed if necessary. Additionally, Zippertubing engineers suggested incorporating perforations or "drain holes" to ensure uniform submersion during deployment and effective water drainage during retrieval.

CONCLUSION:

The company was very satisfied with the Zip-On (VNH) solution. They have since ordered additional sleeves, including sizes up to 12 inches in diameter, for future campaigns. Zippertubing's expertise in suggesting the relief openings also resolved a long-standing issue with inconsistent hose sinking and water entrapment during recovery, improving their operations significantly.