



NORDSEE WELLER

Offshore Cable Splice Technology



Cable Protection
for the offshore
wind energy industry

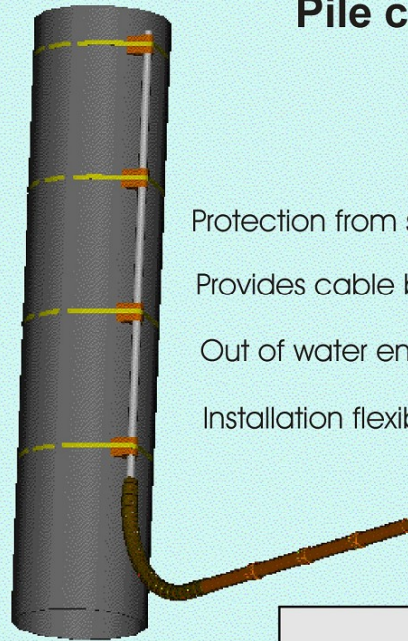


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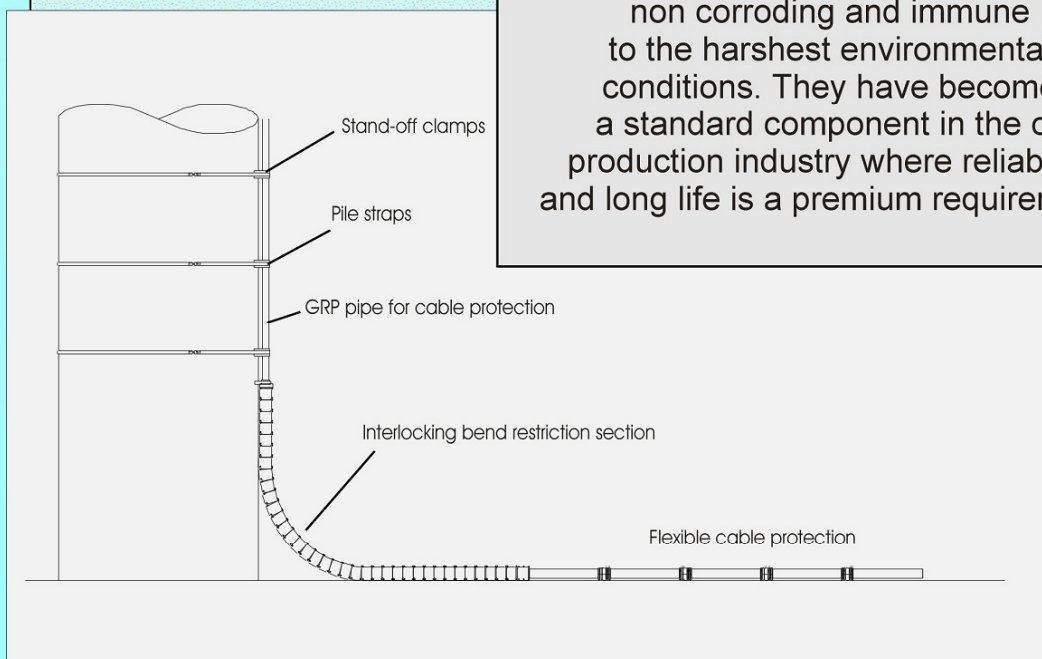


Pile cable protection



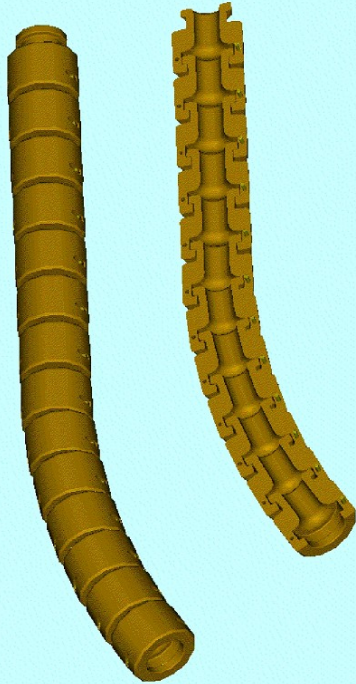
- Protection from scouring and sea bed movement.
- Provides cable bend protection.
- Out of water environment.
- Installation flexibility.

CWA use 'Roblon' straps for attaching cable protection components to pylons. Made from polyester coated Kevlar fibres they are strong, flexible, non corroding and immune to the harshest environmental conditions. They have become a standard component in the oil production industry where reliability and long life is a premium requirement.



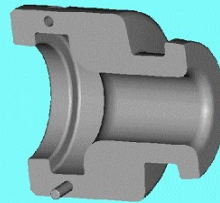


'Armadillo' bend restrictor



The 'ARMADILLO' bend restrictor

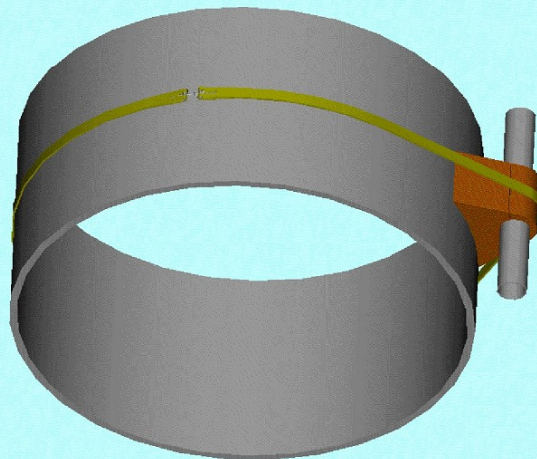
The CWA 'ARMADILLO' bend restriction system is constructed of a number of interlocking segments. These segments are moulded in a neutrally buoyant rigid polyurethane. This system is used where cables require protection from harsh environmental conditions but are still expected to retain flexibility. The system has been used extensively in the seismic surveying industry as well as on ROV's where flexibility is essential. The system is fully retrofittable, non corroding and can be tailor made to suit most applications.



Moulded half segment

Piggy-back clamps

These are used to position and clamp down pipes, multiples of pipes or cables to a larger diameter pylon or rig leg. They are usually designed for a specific application and allow on site assembly where last minute alterations and adjustments can be carried out. They can be designed to suit any size of pile diameter and are environment corrosion proof.





Protection of power cables from the ravages of the elements is essential especially on the sea bed where constantly changing levels, scouring, undercutting and abrasion eventually cause failure with dire economic consequences. CWA have designed and produced marine protection systems since 1990 and have a proven track record for quality and reliability. Their products are designed with the aid of state of the art computer technology and years of hands-on experience. CWA cable protection systems for both static and dynamic applications have been used successfully in the telecommunications and seismic survey industries for many years, usually in the most arduous marine environment conditions. This cable protection expertise is now being applied to wind generating turbine power cables. CWA are proud of their rapid response times to customer inquiries and subsequent supply of equipment.

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Some other CWA products

