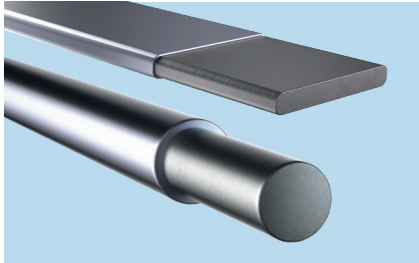


Subsea cable armouring wire

Keep your subsea infrastructure secure and reliable



General description

Heavy galvanized steel armouring wire provides exceptional strength and flexibility for subsea power cables, protecting them from damage during and after installation in challenging environments.

Application

Our standardized armouring wire provides essential protection for offshore applications, including subsea power cables, subsea telecommunications cables, and data cables.

Compliant product serving your needs

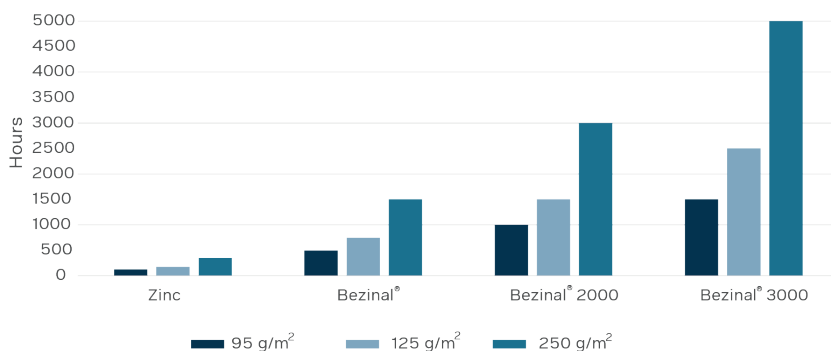
The characteristics of our armouring wire comply with the EN 10257-2:2011 standard and customer specifications. All wires are zinc coated in accordance with EN 10244-2:2009 norm. Thanks to our advanced Bezinal® coatings and optional polymer sheathing, our wires offer outstanding corrosion resistance. Armouring wires can be produced as a round and flat shaped wires with different grades to help you expand your design options.

For special armouring properties designed to optimize armouring losses for HVAC subsea cables, see our Bezinox®-non magnetic armouring solution.

Mechanical properties for round and flat armouring wire

	Round	Flat
Nominal diameter	2,50 - 9,00 mm	6,00 x 2,00 - 14,00 x 3,50 mm
Tensile strength grade	G34 - G165	G34 - G125
Dimension tolerances	acc. EN norm	±0,12 x ± 0,08 mm

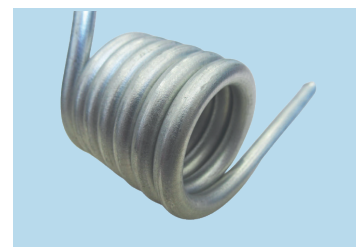
Salt spray resistance till 5% dark brown rust for 2,50 mm coated wire



The salt spray method exposes various specimen, inside a cabinet, to a continuous spray of 5 % NaCl at a temperature of 35°C and relative humidity of 98%. The test measures the quality and performance consistency of metallic coatings. Salt spray testing is done according to ISO 9227 and ASTM B117.

- **Zinc**, hot-dip galvanized
- **Bezinal®** - Zn95% Al5%
- **Bezinal®2000** - Zn90% Al10%
- **Bezinal®3000** - Zn94,5% Al5% & Mg 0,5%

Visual wrapping test performance



Available packaging

The wire is usually winded on orbits or spools but customized packing dimensions are available upon request.

Recommended make-ups				
	Orbit 26	Orbit 32	Orbit39	Orbit 41
Diameter range	1,40 - 4,50 mm	3,00 - 9,00 mm	5,50 - 9,00 mm	5,50 - 9,00 mm
Inside diameter	± 450 mm	± 550 mm	± 650 mm	± 700 mm
Outside diameter	± 860 mm	± 950 mm	± 1 300 mm	± 1 350 mm
Height	± 750 mm	± 800 mm	± 1 200 mm	± 1 200 mm
Weight	± 800 kg	± 1 000 kg	± 2 000 kg	± 2 000 kg

* Tisscoat, hardboard and stretch foil protection wrapping available upon request
** Make ups might differ depending on manufacturing plants.



Spool dimensions for Z5/2

ID	550 mm
OD	800 - 900 mm
H	630 mm
Weight	500 kg (min.)

Spool dimensions for flat wire

ID	500 mm
OD	1 000 mm (max.)
H	500 mm
Weight	1 500 - 1 700 kg

