

Title (en)
ZINC-ALUMINUM-ALLOY-COATED SHAPED STEEL WIRE WITH SUPERIOR CORROSION RESISTANCE AND METHOD FOR PRODUCING SAME

Title (de)
MIT ZINK-ALUMINIUM-LEGIERUNG BESCHICHTETER FORMSTAHL DRAHT MIT ÜBERLEGENER KORROSIONSBESTÄNDIGKEIT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
FIL D'ACIER FORMÉ REVÊTU D'ALLIAGE ZINC-ALUMINIUM PRÉSENTANT UNE RÉSISTANCE À LA CORROSION SUPÉRIEURE ET SON PROCÉDÉ DE PRODUCTION

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Abstract (en)
The present invention relates to a wire for wrapping which is wound spirally on the outer circumference of a main cable in which a plurality of metal wires are compactly arranged in parallel, wherein the wire for wrapping is a zinc-aluminum-alloy-coated shaped steel wire with superior corrosion resistance which has an S-shaped cross section coated with a zinc-aluminum alloy and has a thickness of coating layer of at least 20µm at any part of the outer circumference of the S-shaped cross section. A method of producing a zinc-aluminum-alloy-coated shaped steel wire according to the present invention comprises the steps of: primarily rolling a material wire rod; performing stress-relief heat treatment for the primarily rolled wire at a temperature of 300-500°C; coating the heat-treated primarily rolled wire with a zinc-aluminum alloy; and secondarily rolling the coated primarily rolled wire at a rolling quantity of 5-40% to obtain the shaped steel wire of the S-shaped cross section.

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