

Title (en)

WRAPPING WIRE WITH C-SHAPED CROSS-SECTION, AND CABLE WRAPPING STRUCTURE AND METHOD USING THE SAME

Title (de)

WICKELDRAHT MIT C-FÖRMIGEM QUERSCHNITT SOWIE KABELWICKELSTRUKTUR UND VERFAHREN DAMIT

Title (fr)

FIL D'ENROULEMENT POSSÉDANT UNE SECTION TRANSVERSALE EN FORME DE C, ET STRUCTURE D'ENROULEMENT DE CÂBLE ET PROCÉDÉ D'UTILISATION ASSOCIÉS

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2657407A1] Provided are wrapping wire with a C-shaped cross-section, and cable wrapping structure and method using the same. The wrapping wire, which is spirally wound around the outer circumference of a main cable (1) and has a substantially C-shaped cross-section, is wound so as to form a first layer wherein the open side of the C-shaped cross-section being directed outward of the radial direction of the main cable (1), wrapping wire (2) is spirally wound at a condition where the wound wire parts are adjacent to one another, and a second layer wherein the open side of the C-shaped cross-section being directed inward of the radial direction of the main cable (1), wrapping wire (3) is spirally wound on the first layer at a condition where the wound wire parts are adjacent to one another. The wrapping wires (2, 3) are configured such that inside surfaces (4a, 5a) of arm portions of the C-shaped cross-section are formed obliquely relative to the radial direction of the main cable (1), and interlock to each other in the axial direction of the main cable (1), in a half-pitch displaced state. The problems encountered when using wrapping wire with a Z-shaped cross-section can be all overcome, enabling easy production and cost reduction of the wrapping wire itself, and structural simplification, size reduction and cost reduction of a wrapping machine.

IPC 8 full level

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