

Title (en)

Combined rope made of artificial fibres and steel wire strands and combined strand of artificial fibres and steel wires

Title (de)

Kombiniertes Seil aus Kunststofffasern und Stahldrahtlitzen sowie kombinierte Litze aus Kunststofffasern und Stahldrähten

Title (fr)

Corde combinée en fibres de matière synthétique et cordes d'acier ainsi que cordon combiné composé de fibres de matière synthétique et de fils d'acier

Publication

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Application

EP 12162945 A 20080515

Priority

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- DE 102007023710 A 20070518
- DE 102007024020 A 20070522

Abstract (en)

[origin: CA2685585A1] The invention relates to a combined cable having a core cable made of high-strength plastic fibers present as a twisted monofilament bundle (1) or a plurality of twisted monofilament bundles (6), and having an external layer (2, 7) of steel wire strands (4, 5), characterized in that the monofilament bundle or bundles (1, 6) is or are stretched to reduce the diameter and held in a cladding (2, 7), particularly braided cladding, in this state. The strain of the core cable under load is thus reduced, so that the load distribution between the steel cross-section and the plastic cross-section of the cable is improved. In the same sense, in reverse, in order to have the strain behavior of the strand layer approach that of the core cable, the cable has an intermediate layer (3) made of an elastic plastic, in which the steel wire strands are pressed at a distance from each other, such that the external layer stretches under load and contracts radially.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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