Title (en)

SINGLE-LAYER MULTI-STRAND CABLE HAVING IMPROVED ENERGY AT BREAK AND AN IMPROVED TOTAL ELONGATION

Title (de)

EINLAGIGES MEHRADRIGES KABEL, DAS EINE VERBESSERTE REISSDEHNUNG UND VERBESSERTE GESAMTDEHNUNG AUFWEIST

Title (fr)

CÂBLE MULTI-TORONS À UNE COUCHE À ÉNERGIE À RUPTURE AMÉLIORÉE ET À ALLONGEMENT TOTAL AMÉLIORÉ

Publication

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Application

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Abstract (en)

[origin: WO2021140287A1] The invention relates to a multi-strand cable (50) having a 1xN structure comprising a single layer (52) of N strands (54) that are helically wound about a main axis (A), each strand (54) consisting of a layer (56) of metal wires (F1) and comprising M>1 metal wires that are helically wound about an axis (B). The cable (50) has a total elongation At > 8.10%, and the energy-at-break index Er = rAt of the cable (50) is defined as Er = ∫ AT σ(Aí) x dAi, where σ(Aí) is the tensile stress in MPa measured at the elongation Ai, and dAi is the elongation such that Er is strictly greater than 52 MJ/m3.

IPC 8 full level

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