Title (en)

DOUBLE-LAYER MULTI-STRAND CABLE HAVING IMPROVED ENERGY AT BREAK AND A LOW TANGENT MODULUS

Title (de)

DOPPELLAGIGES MEHRADRIGES KABEL, DAS EINE VERBESSERTE BRUCHENERGIE UND EINEN NIEDRIGEN TANGENTENMODUL AUFWEIST

Title (fr)

CÂBLE MULTI-TORONS À DEUX COUCHES À ÉNERGIE À RUPTURE AMÉLIORÉE ET À MODULE TANGENT BAS

Publication

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Application

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Abstract (en)

[origin: WO2021140288A1] The invention relates to a double-layer multi-strand cable (50; 60) comprising an inner layer (CI) of the cable, consisting of K≥1 inner strand(s) (TI) that are helically wound about a main axis (A), the one or more inner strands (TI) consisting of a layer (C1) of metal wires (F1) and comprising Q>1 metal wires (F1) that are helically wound about an axis (B); and an outer layer (CE) of the cable, consisting of L>1 outer strands (TE) that are wound about the inner layer (CI) of the cable, each outer strand (TE) consisting of a layer (C1') of metal wires (F1') and comprising Q'>1 metal wires (F1') that are helically wound about an axis (B'). The cable (50; 60) has a tangent modulus E2 of 35 to 80 GPa. The energy-at-break index Er of the cable (50; 60) is strictly greater than 40 MJ/m3.

IPC 8 full level

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