

Title (en)
HYBRID TELECOMMUNICATION CABLE

Title (de)
HYBRIDES NACHRICHTENKABEL

Title (fr)
CÂBLE DE TÉLÉCOMMUNICATION HYBRIDE

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Application
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Abstract (en)
[origin: WO2022136217A1] The invention relates to an, in particular undersea, telecommunication cable (1, 100) comprising: • a core (2) comprising a plurality of optical fibres (3), • an inner reinforcement (7) radially arranged around the core (2), the inner reinforcement (7) comprising a plurality of steel wires (8), • an intermediate sheath (6) arranged radially between the core (2) and the inner reinforcement (7), and • a protective sheath (9) made of polymer material arranged radially around the inner reinforcement (7), characterised in that the cable (1, 100) further comprises at least one optical fibre sensor (10, 12) arranged between the core (2) and the protective sheath (9). The invention also relates to a method for measuring mechanical deformations undergone by such a telecommunication cable.

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