

SYNTHETIC FIBER ROPE**Summary:**

With reference to a traction rope driven by a rope sheave,
with a covering layer of strands (12) laid with opposite
5 lay on a parallel laid rope core (9) and with an
intersheath (13) between the oppositely laid layers of
strands (16, 12), to improve the internal transmission of
forces it is proposed to adapt the sheath surfaces of the
intersheath (13) to the external contours of the adjacent
10 layers of strands (8, 12). In this way, by virtue of
friction and its shape the intersheath (13) transmits
forces and torques of the covering layer (12) to the rope
core (9) and homogenizes these over the entire
circumferential surface of the sheath. By bonding the inner
15 and outer layers of strands a higher torsional rigidity of
the rope (1) is achieved.

Figure 1



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