

Synthetic fibre cable and lift installation with such a synthetic fibre cable**Abstract:**

In this synthetic fibre cable (1) the strands of a strand layer are mutually spaced apart. With the mutual spacing (d_1), the strands (7) of the outer strand layer (2) can move radially in the direction of the cable centre and exert a radial pressure on the strands (8, 9) of the first inner strand layer (3). The radial pressure is passed on from the strands (8, 9) of the first inner strand layer (3) to the strands (10) of the second inner strand layer (4). The radial pressure is passed on from the strands (10) of the second inner strand layer (4) to the core strand (5). The radial pressure increases inwardly from strand layer to strand layer. The soft cable sheathing (6) does not act as a support between the strands (7) in circumferential direction U_r ,

(Fig. 1)