

Synthetic Fiber Rope

5 Abstract

So that a synthetic fiber rope can be taken to the limit of failure and thereby the economic potential of the new type of suspension means more intensively exploited or the user can set a sensitivity of detection of the state of wear of the rope according to his requirements, the strands with indicator fibers or with indicator yarn must be even better adjustable in their response behavior, the indicator fibers of the strands having a high probability of losing their electrical conductivity and thereby detecting a cable wear. The matrix of the strand with indicator fibers or with at least one indicator yarn has a lower resistance to abrasion than the matrix of the other strands.

20 (No suitable figure)