

Abstract:

A synthetic fiber rope to be driven by a rope sheave is constructed as a twin rope (30) consisting of two ropes (14), (15) with opposite directions of twist (S), (Z) which are laid together and fixed in their positions parallel to, and at a distance from, each other, and so as not to rotate, by means of a common rope sheath (17). The rope sheath (17), which according to the invention is constructed over both ropes (14), (15), acts as a torque neutralizer which, when the twin rope (3) is loaded longitudinally, mutually offsets the oppositely oriented torques of the ropes (14), (15) which arise due to the structure of the rope, thereby causing over the entire cross-section of the twin rope (3) equalization of the torques from the sum of all the parts having right-hand strands and all the parts having left-hand strands. When the twin rope (3) runs over a rope sheave its behavior is free of rotation.

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(Figure 2)

This Sheet Has Been Replaced