WHAT IS CLAIMED IS:

1. A hybrid core rope, comprising:

a resin solid core in which a plurality of spiral grooves is formed in the longitudinal direction on an outer peripheral surface ~~thereof~~;

a plurality of fiber bundles respectively spirally wound around the outer peripheral surface of the resin solid core along the plurality of spiral grooves, the fiber bundles having thickness to fill the spiral grooves; and

a plurality of steel strands spirally wound around the outer peripheral surface of the resin solid core around which the fiber bundles are wound, wherein

the fiber bundles and the strands are respectively wound so as to have angles which are not parallel to each other, and

the plurality of strands is in contact with the fiber bundles at a certain position in the longitudinal direction and in contact with the resin solid core at another position.

2. The hybrid core rope according to claim 1, wherein

an angle made by the fiber bundles and the strands is within a range from 20 degrees to 160 degrees.

3. The hybrid core rope according to claim 1, wherein

a ratio between a section area of the resin solid core and a section area of the sum of the plurality of fiber bundles (resin solid core : fiber bundles) is within a range from 80:20 to 40:60.

4. The hybrid core rope according to claim 1, wherein

a reinforcing material is provided in the resin solid core.