

Abstract

The invention discloses a detachable deep submarine cable rolling winch which comprises a winch body. A hub of the winch body is covered with a detachable iron sheet with grooves; the
5 inside of a conic flange of the winch body is covered with a detachable iron plate with steps; the conic flange is a shell structure and fixed to a spindle through trapezoidal wheel disks; steps on each layer of the iron plate are matched with the grooves in the iron sheet and provided with grooves. Compared with a traditional cable storage winch, a cable can be prevented from laterally sliding in the axial direction of the hub through small traction tension, so that the cable
10 layer squashing probability is greatly reduced in the submarine cable unrolling process when the cable is in transition from a bottom layer to an upper layer, and the lateral anti-deformation capacity of the flange is also improved through the support of the wheel disk; moreover, the iron sheet on the hub and the flange can be replaced according to different sea condition requirements and design of submarine cable technical parameters, the reuse rate of the winch is increased, and
15 the detachable deep submarine cable rolling winch can meet the requirements for long cable arrangement and hoisting.

[FIG. 1]