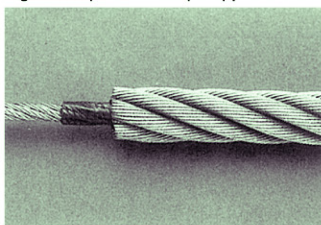


③ Super-Coat Rope

The wire-ropes include the rope with fibre core and the rope with rope core. In case requiring a high breaking load the ropes with rope core are used, whereas the internal wearing and the internal corrosion take place as to their defect, that results the short life comparing with the ropes with fibre core.

“Super-Coat Rope” employs, in stead of the rope cores in the conventional ropes, the core rope coated with a resin. This coating avoids the side strands and the rope core from the direct contact, so as to prevent from the internal wearing and to reduce the breakage to be occurred at the wires, therefore the life of the whole rope is extended.

Fig. 3 ● Super-Coat Rope appearance



■ Anti-Fatigue Characteristic

Super-Coat Rope is proven by the fatigue tests the following superior features.

(a) Comparing with conventional ropes, the repeated times in the 10% breakage in a layer have 20% longer, and the life until standard discard is extended.

(b) The ratio of the outside wire breakage shows bigger, and moreover the IWRC wire breakages are remarkably lower, that gives easier visual inspection from outside of the wire-rope.

Fig. 4 ● Result of the fatigue tests

