INTERSTATIC PROTECT 11 MM

The First Static Rope with Integrated Cut Resistance.

The INTERSTATIC PROTECT is the first static rope with integrated cut resistance. This is made possible by high-strength aramid fibers being integrated into the rope sheath during the braiding process, increasing the cut resistance of the rope many times over. These properties make the INTERSTATIC PROTECT the rope of choice for all uses involving a risk of sharp edges or any tasks for which an additional safety margin is desirable.

The INTERSTATIC PROTECT is like no other product in the world in the static rope sector. High-strength aramid fibers are integrated into the rope sheath during a special braiding process. Aramid has a far higher cut resistance than either polyester or polyamide. The result is a static rope that is almost twice as cut resistant as ropes with a comparable sheath proportion and diameter.

We construct the rope by combining dimensionally stable core yarns with a multiple-wound sheath. This design results in high breaking strength, minimal shrinkage, and low elongation under load. At the same time, the rope remains pleasantly soft to handle thanks the Thermo Shield treatment, so it can be easily used with all rappelling and rescue equipment.

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Technical Data:

- Diameter: 11.0 mm
- Weight: 76 g/m
- Load capacity: 35 kN
- Certification: EN 1891 Typ A
- Length: 50, 100, 200 m
- Color: night

How do you measure a rope's cut resistance?

As is often the case with innovations, there is currently no test procedure for assessing the cut resistance of ropes. Here at EDELRID, we have therefore developed a special machine that enables us to reproducibly test the cut resistance under laboratory conditions. The rope to be tested is clamped taut in the machine and pre-loaded with a specific load. A specially designed wheel made of hardened steel then cuts the taut rope. The distance the wheel has turned in centimeters acts as an indicator for assessing the cut resistance.

Image: EDELRID testing apparatus for measuring the cut resistance of kernmantle ropes.

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