



# **FIBRE**Max

**All fibres used to the Max...**

*FibreMax lightweight precision cables are produced by using an endless winding technology which is a totally automated process of continuous winding of parallel strands of fibres around two end fittings until the right cable strength or required cable stretch has been reached.*

*Due to a sophisticated way of maintaining an equal tension in all fibre strands during the winding process an efficiency of more than 80% on the used fibres is accomplished, whereas other manufacturers reach only 40% with more conventional methods. In this way FibreMax is able to produce cables which have the lowest possible diameter, weight and stretch at the same break load when compared to other manufacturers.*

*Our unique production process isn't limited to one fibre only; FibreMax can produce cables out of any fibre material, depending on the application or customer's request. Our engineers will assist you in choosing the best fibre option for your application. Fibres that can be used are nylon, polyester, aramid, Dyneema® , carbon or PBO.*

*FibreMax engineers are capable of handling challenging projects that require high quality materials, engineering precision and technical support. These problem-solving projects often involve developing new solutions for existing industries using our engineering experience with high performance synthetic fibres.*

## **Advantages of FibreMax cables:**

- 80 to 90% lower weight than steel wire \*).
  - 10% lower diameters than steel wire \*).
  - 30% lower weight than braided ropes \*).
  - 30% lower diameters than braided ropes \*).
  - No construction stretch.
  - Maximum EA at 5% MBL.
  - Length tolerance 0,1 mm per meter.
  - Continuous length up to 5000 meter.
  - Lifespan up to 40 years.
  - Maintenance free.
  - Corrosion free.
- (\*) When compared at the same break load).

## **Applications:**

- **Marine**
  - Towing
  - Buoying
  - Yacht rigging
- **Oil & Gas**
  - Platform mooring
  - Anchoring
  - Heavy lifting
  - Deep sea tethers
  - Salvage equipment
- **Heavy Lifting**
  - Building structures
  - Erection of bridges
  - Defence industry
  - Crane manufacturing
- **Structural**
  - Cable-stayed bridges
  - Cable-stayed roofings
  - Observation wheels
  - Guyed towers
  - Tension members
- **Aviation**
  - Commercial and military aircrafts
  - Balloons/zeppelins
  - Paragliding
  - Space tethers

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