

Natural and Man-made Fibre Ropes

Man-made Fibre Ropes

The 'Viking' range of man-made fibre ropes is sufficiently wide to satisfy the varying requirements of modern industry. The differing properties of these materials – nylon, polyester, polypropylene and polythene – enables a specific choice to be made when selecting the rope most suited for the function it has to perform. For example, there are ropes which will satisfy any of the individual requirements shown below and some ropes in fact satisfy almost all.

- High tensile strength.
- Exceptional sustained load performance.
- Outstanding capacity to absorb shock loads.
- Immunity to rot, mildew and marine decay.
- Resistance to chemical attack.
- Low water absorption.
- High resistance to weathering.
- Ease of handling, wet or dry.
- Lightweight.
- High strength/weight ratio.
- Soft texture which will not mark or damage highly finished surfaces.
- Immunity to degradation from contact with oils, petrol or common solvents.
- Excellent ageing properties, durability and long service life.
- Ability to float indefinitely.

'Viking' natural and man-made fibre ropes are manufactured in accordance with the following British Standard Specifications:
B.S. 4928:1985 for man-made fibre rope.
B.S. 2052:1989 for sisal, hemp, cotton and coir.

Natural Fibre Ropes

Hard fibre is a general term which covers natural fibre ropes made from sisal and manila. Ropes made from both these fibres are hard wearing, with low stretch characteristics but neither are as strong as their equivalent sizes in man-made fibre ropes.

Manila Ropes

Manila is produced from the plant *Musa Textilis*, grown in the Philippines. Grade 1 manila is dearer but has a higher breaking load than sisal.

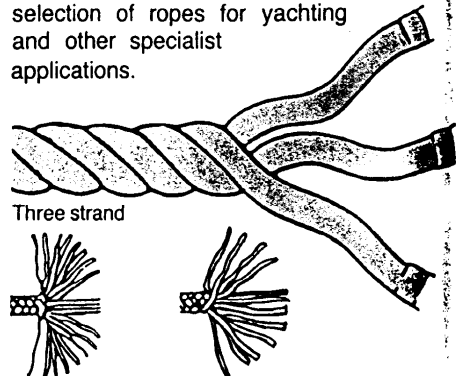
Sisal Ropes

Untreated sisal is an almost white fibre produced from a plant grown extensively in East Africa. Two types of rope are commonly supplied:

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| Waterproofed sisal | – Absorbs little water and swells little in use. |
| White sisal | – Untreated. Suitable for general purposes. |

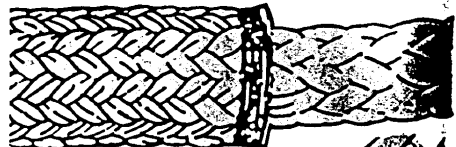
Rope Constructions

In addition to three-strand ropes, the 'Viking' range of fibre ropes includes eight and sixteen strand braided cords, eight strand and Braidline ropes, as well as loglines and a wide selection of ropes for yachting and other specialist applications.

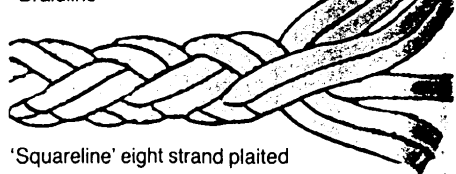


Three strand

Eight and sixteen strand braided cords



'Braidline'



'Squareline' eight strand plaited