futurefibres

torquelite™

FLEXIBLE FURLING STAYS

Future Fibres has been building and developing torque transfer cables since 2000 using a unique winding process, developed primarily for *America's Cup and Open 60* campaigns. **TorqueLite**´s continuously wound core, along with its custom cover, enables high torque transfer while still allowing the cable and sail to be dropped and flaked/coiled for storage. **TorqueLite** cables are built to suit either downwind (top down) or reaching (bottom up) sailing applications with each cable custom designed to interface with any furling systems avaliable.

futurefibres.com

EU OFFICE:
C/ Dels Fusters 17, 46290 Alcàsser, València.
+34 961 45 21 35
info@futurefibres.com

US OFFICE:
14 Regatta Way, Unit 2 Portsmouth,
RI 02871, US.
info@futurefibres.com

torquelite

BOTTOM UP AND TOP DOWN SYSTEMS

KEY DIFFERENCES
Sharing the same continuously wound unidirectional core, TDT and BUT cable versions differ in terms of diameter and cover specifications.

CORE MATERIAL
Standard TDT cables are generally specified using Kevlar whereas the BUT version is normally in PBO. Customised cores can be designed for both TDT and BUT applications.

BRAID SPECIFICATION
Future Fibres will customise the braid specification to suit each individual stay type.

SYSTEM ADVANTAGES

EASE OF HANDLING
The use of soft fibre for the cable's core allows it to be coiled and stored on deck for redeployment or stored below when not in use.

LIGHTER CONSTRUCTION
Advanced construction techniques and high-quality material lead to overall cable/sail package weight savings.

INCREASE USE OF DOWNWIND AND REACHING SAILS
High torque transfer sails means deploying and furling is quick and simple, therefore making it easy to use larger sails, gaining meters around the track or miles offshore. Larger reaching or downwind sails can be used with fewer crew on board.

OPTIMUM TORQUE TRANSFER
Torquelite cables offer the best torque transfer of any storable furling cable, requiring fewer turns at the lower end to activate head rotation. This leads to later furling and better mark roundings, gaining valuable time around the race track.

CUSTOMISATION
Termination fittings can be customised to fit furling units of all manufacturers and cable specifications made to match desired max working load, stiffness, torque transfer and length.