

KOHLHOFF TORSIONAL ROPE SPECIFICATION GUIDE

For racing and cruising sailboats up to 45ft, torsional rope can often be a viable and cost-effective alternative to custom furling cables. Upffront.com torsional ropes are finished to your custom length requirements, each end terminated around specialist LOOP furling thimbles which have been designed to interface with the maximum number of furling units.

Specifying a Torsional Rope

Rope Ø (mm)	Fitting Ref.	Fitting Width (mm)	Fitting Pin Ø (mm)	Luff / Rope Length (m)															
				7	8	9	10	11	12	13	14	15	16	17	18	19			
07	L-FT07	9	8	TD/BU		BU													
09	L-FT09	10,5	8			TD		TD/BU		BU									
11	L-FT11	15	8-10					TD		TD/BU		BU							
13	L-FT13	16,5	10-12						TD		TD/BU		BU						
15	L-FT15	18,5	12-14								TD		TD/BU		BU				

Note: TD = Top down cable, BU = Bottom up cable

Step 1 - Determine cable length & furling configuration (top-down or bottom-up)

We do not recommend the use of torsional ropes longer than 16.5m luff length for top-down cables & above 19m for bottom-up cables

Step 2 - Use the table to select rope diameter

To get the best performing cable, bottom-up cables can be the smallest possible diameter available at that length, whilst top-down should be the max.

Step 3 - Check furling jaw & fitting width

If the furler jaw is 0.2-0.3mm larger than the fitting width, it will fit comfortably. Often the cable fitting is 1-2mm narrower than the furler jaw.

Step 4 - Check pin diameter compatibility

If your furler pin is too big for the cable fitting, the cable simply will not fit. If the pin is too small, this can be accommodated with a bushing.