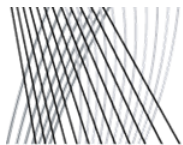


# SuperTow

## Technical Datasheet



**SoluzioniTessili**  
ROPE





Powered by



COTESI is one of the worldwide leading companies in the production and distribution of ropes and nets for the marine and fishing industries. With a vast experience of over 50 years, COTESI keeps its focus in quality, continuously providing new solutions and being in the front line of innovation and development of pioneer products like SUPERTOW.

COTESI is an ISO 9001:2015 certified company, providing a full warranty of the highest standard and the highest level of quality.

**SuperTow**



# SuperTow Specs



RAW MATERIAL:	Polyester HT
CONSTRUCTION	Parallel
JACKETED	Yes
COLOR	White with yellow tracer
SPECIFIC GRAVITY:	1,38
MELTING POINT:	265°C
ELONGATION AT 50% of BL:	4,9%
ABRASION RESISTANCE	Excellent
UV RESISTANCE	Excellent



SuperTow				
Diameter	Circ	Weight		MBL
[mm]	[Inches]	[Ktex]	[Kg/100m]	[Tons]
32	4	765	76,50	39,9
36	4 1/2	950	95,00	49,8
40	5	1.310	131,00	60,3
44	5 1/2	1.470	147,00	72,3
48	6	1.750	175,00	84,9
52	6 1/2	1.890	189,00	98,6
56	7	2.270	227,00	112,6
60	7 1/2	2.560	256,00	128,0
64	8	2.840	284,00	143,7
68	8 1/2	3.070	307,00	160,8
72	9	3.670	367,00	177,7
76	9 1/2	3.900	390,00	195,8
80	10	4.170	417,00	214,0
88	11	4.930	493,00	254,8
92	11 1/2	5.280	528,00	277,5
96	12	5.600	560,00	297,8
100	12 1/2	6.300	630,00	322,9
104	13	6.620	662,00	349,9
112	14	7.880	788,00	413,4

Tolerance in weights:  $\pm 5\%$ .

Indicated breaking loads do not include any reduction in case of a rope with eye-spliced terminations.

Produced and tested in accordance to the latest ISO standards.



SuperTow is a special cable that has been developed in cooperation with our partner COTESI, and is specially designed for Towing applications.

Made from HT polyester, its construction of multi parallel cores maximizes rope breaking strength whilst the compact braided protective cover, comprise of several double twisted yarns, enhances life span by adding to the rope excellent abrasion resistance properties.

The particular production process developed by COTESI, which starts from the first twisting phases up to the final assembly of the strands, allows us to obtain a cable whose primary feature, unlike many other cables in parallel construction, is to remain incredibly soft and easy to handle even after a long period of use.

Thanks to its perfectly balanced construction, even under stress condition the core of SuperTow always works evenly with the jacket, avoiding the fibres to suffer from rubbing, and meaning a longer life of the cable and a higher number of tows.

SuperTow is spliced with the new CS3 splice; this new advanced technique developed by COTESI allows to maximize the rope LDBF (Line Design Break Force) reducing the dimensions of the splicing area.

*Eyes are customized to customer needs and, in the standard version, are always protected with coated Pro-Tech polyester and Cordura® covers.*  
*D-Web protection cover, made from HMPE fibres, can be added on the eyes and on the leg, increasing protection against chafing especially in particularly stressed areas.*



# SuperTow

# SuperTow

The feedbacks received from the various clients, together with the continuous research and development for improving our products, led to our latest version of the SuperTow, which includes features and solutions that enhances the lifespan of the cable even when used in the roughest conditions.

*Very strong and durable HT PES cover on the eyes.  
The construction of this braided cover, that flatten under pressure, ensure that the protection improve with time and with use.  
Extra protection on the tip of the eye guaranteed by a lashing.  
A further cordura sleeve, adjustable with velcro, is always present in the standard version of the cable*



*The ending yarns of the PES cover on the eyes are buried inside the core of the cable to prevent it from moving and becoming loose. This also ensure that the core is always protected and never exposed.*



*Only after this step the cable is placed into the braiding machine, where the 32strd HT PES white jacket is braided on the full length. The jacket is finished with a tail that is folded back and re-inserted under the jacket itself.  
This is a fundamental step to ensure that the cover is kept in place and has no way of moving*



# SuperTow

Towing applications can be very stressing for the ropes. Most of problems are due to chafing and abrasion that occur in particular in the first part of the cable, the one that is given to the towed Vessel. Indeed not always Panama chocks and mooring eyes have smooth surfaces, and the presence of rust and sharp edges can cause premature wearing of the cable.

*In order to avoid this we always suggest to use on Pennants some meters of our D-Web protector. It is made from HMPE fibre and guarantee an extra protection against chafing and abrasion. Its strands flatten with use and completely wrap the cable.*

*The D-web also cover the initial part of the eye and is kept in place with a tail folded back and re-inserted under the protector itself.*

*In this way there is no need for further lashings and the finishing of the cable is smoother in this particular area.*



*On the other side the D-Web is fixed by means of some tuck splice and all the area is then covered with a tight lashing made with a small rope, in order to reduce the volume and the risk of snagging.*

# SuperTow



These kind of finishing has been precisely studied to obtain a smoother cable reducing any possible weakness, and to find a way to ensure that the protection covers stay in place even under heavy conditions. And if the covers stay in place the core is always protected.

This means a longer life of the cable and a rope that is also nice to see after a long life cycle. This is very important also for the confidence of the towed vessel that receives the cable during the operations.

*All our cables are then provided with a label containing all the relevant info about the cable and an NFC chip where all the same info are safely stored. These can be viewed at any time with a simple scan by means of any IOS or Android phone. A reserved area is also available on our website ([www.soluzionitessilirope.com](http://www.soluzionitessilirope.com)) where clients can find a list of all the cables supplied and they can edit any info they need to keep trace of their ropes.*







# SuperTow



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