

High strength copolymer and HSCP+

HSCP

HSCP ropes are manufactured from extruded high tenacity copolymer monofilament fibre (melt blend of polypropylene and polyethylene + additives). This process ensures that the ropes are lightweight and float. Due to an optimised production these ropes are up to 40% stronger than standard polypropylene ropes. Like 100% polypropylene ropes they absorb very little water and do not shrink. They remain flexible when wet and during use.

HSCP+

Continuous improvement in production as well in extrusion and manufacturing of HSCP yarn and rope results in a new range of ropes. HSCP + ropes offer superior features in comparison to standard HSCP ropes.

- High breaking strength
- Easy to handle and splice
- Good abrasion resistance
- Floats
- Torque free (8-strand and 12-strand)
- Conforms to OCIMF/Intertanko guidelines



HSCP 8-strand plaited



HSCP+ 8-strand plaited

Construction

3-strand twisted ropes

- Measured in diameter/mm
- Coils of 100-200-220m



8-strand multiplait ropes (12-strand plaited on request)

- Measured in size/inch
- Coils of 100-200-220m
- Mooring ropes: spliced and protected eyes each end



Other sizes and constructions on request

Standard colour

HSCP: blue

HSCP+: orange

Other colours available on request

Properties

<i>Relative density</i>	0,92 (floats)
<i>Temperature resistance</i>	Suitable for use down to -30°C and up to 100°C Melting point 170°C
<i>UV resistance</i>	Good - fully stabilised
<i>Extension</i>	Breaking stretch of about 18% when new - Recovery after load is good and stretch is even
<i>Flexibility</i>	Superior handling characteristics, fibres do not absorb water and remain flexible when wet
<i>Chemical resistance</i>	Good resistance to alkalis, acids and oil
Length measured under reference tension according to EN ISO 9554	

Typical applications

Ship's mooring-towage - Messenger/pick-up lines - Slings

HSCP 3- AND 8-strand

Diam. Ø	Circ.	Mass	Min. breaking load	
			T	kN
mm	inch "	kg/100m		
10	-	4,5	2	19,6
12	-	6,5	2,9	28,4
14	-	9	3,9	38,3
16	-	11,5	4,9	48,1
18	-	14,8	6,3	61,8
20	-	18	7,6	74,5
22	-	22	9,2	90,2
24	3	26	10,5	103
26	-	30,5	12,6	124
28	3 ½	35,5	14,5	142
30	-	40,5	16,4	161
32	4	46	18,5	181
34	-	52	20,8	204
36	4 ½	58,5	23,3	228
38	-	65,5	26,2	257
40	5	72	28	275
44	5 ½	88	34	333
48	6	104	39,5	387
52	6 ½	122	45,5	446
56	7	142	52	510
60	7 ½	163	59,5	583
64	8	185	67,6	662
68	8 ½	209	76	745
72	9	234	84,5	829
76	9 ½	261	94	922
80	10	290	104	1020
88	11	351	125	1226
96	12	417	148	1451
104	13	490	173	1701
112	14	570	201	1971
120	15	650	230	2256
128	16	740	258	2538
136	17	840	291	2854
144	18	940	321	3153
160	20	1152	390	3828

HSCP+ 8-Strand

Diam. Ø	Circ.	Mass	Min. breaking load	
			T	kN
mm	inch "	kg/100m		
28	3 ½	34,5	14,8	145
32	4	44,5	18,3	180
36	4 ½	58,5	24,9	244
40	5	72	31,5	309
44	5 ½	88	36,8	361
48	6	104	42,2	414
52	6 ½	122	50,5	495
56	7	142	57,8	567
60	7 ½	163	65,2	640
64	8	185	73,7	723
68	8 ½	209	83,5	819
72	9	234	93	912
76	9 ½	261	105	1033
80	10	290	113	1111
88	11	351	136	1333
96	12	417	161	1577
104	13	490	182	1785
112	14	570	210	2060

Load VS Extension

