

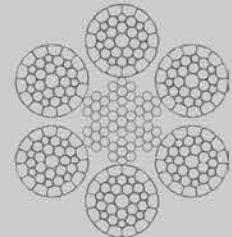
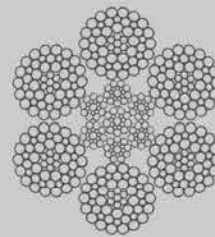
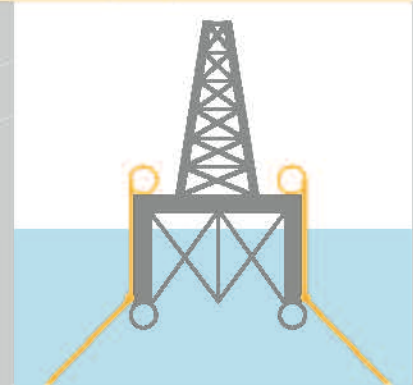
Anchor Lines

Rope construction:
Class 6x36 IWRC and greater.

Large diameter outer wires for optimum
resistance to wear and corrosion.

Wire protection by galvanising or ALUMAR.

Compact strand (CMP) for increased
strength, improved contact area, reduced
tread pressures and sheave wear.



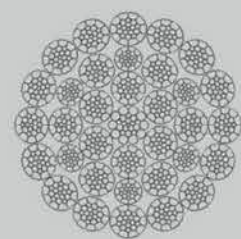
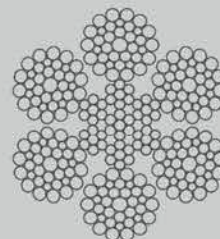
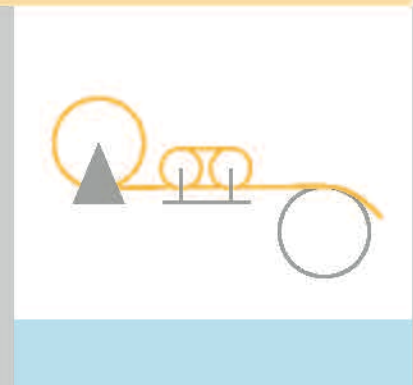
A&R Winch Ropes

Optimum flexibility to allow efficient rope
operation around sheaves, drums and
capstans.

Effective protection of all wires by
galvanising/ALUMAR.

Appropriate lubrication during manufacture.

Rope selection should be determined through
consultation with KISWIRE.



Anchor Lines & A&R Winch Ropes

Nominal Rope Diameter		Estimated Rope Mass in air		EEIPS			ALPHA			DELTA			OMEGA		
				Minimum Breaking Force											
mm	ins	kg/m	lb/ft	kN	metric tonnes	short tons	kN	metric tonnes	short tons	kN	metric tonnes	short tons	kN	metric tonnes	short tons
Neptune Conventional - Large Diameter Six Strand Rope															
50.8	2	11.3	7.6	1930	197	217	2216	226	249	2285	233	257	2384	243	268
54.0	2 1/4	12.8	8.6	2160	220	243	2363	241	266	2471	252	278	2578	263	290
57.2	2 1/4	14.3	9.6	2420	247	272	2697	275	303	2834	289	319	2957	302	332
63.5	2 1/2	17.8	11.9	2950	301	332	3295	336	370	3462	353	389	3612	369	406
66.7	2 1/2	19.7	13.2	3240	330	364	3629	370	408	3815	389	429	3980	406	448
69.9	2 3/4	21.4	14.4	3530	360	397	4011	409	451	4207	429	473	4394	448	494
73.0	2 3/4	23.5	15.8	3840	392	432	4384	447	493	4599	469	517	4805	490	540
76.2	3	25.4	17.1	4170	425	469	4815	491	541	5060	516	569	5276	538	593
79.4	3 1/4	27.6	18.5	4490	458	505	5119	522	575	5374	548	604	5610	572	630
82.6	3 1/4	29.9	20.1	4840	494	544	5462	557	614	5737	585	645	5992	611	673
85.7	3 3/4	32.2	21.6	5180	528	582	5953	607	669	6247	637	702	6531	666	734
88.9	3 3/4	34.8	23.4	5520	563	620	6463	659	726	6786	692	763	7090	723	797
95.3	3 3/4	39.9	26.8	6280	640	706	7002	714	787	7355	750	827	7898	785	865
102.0	4	45.3	30.5	7060	720	794	7806	796	877	8199	836	922	8554	873	962
108.0	4 1/4	51.1	34.3	7730	788	869	8287	845	931	8699	887	978	9076	926	1021
114.0	4 1/2	57.4	38.6	8590	876	966	9209	939	1035	9670	986	1087	10089	1029	1134
121.0	4 3/4	63.9	42.9	9480	967	1066	10160	1036	1142	10670	1088	1199	11132	1136	1252
127.0	5	70.8	47.5	10430	1064	1172	11160	1138	1254	11719	1195	1317	12226	1248	1375
Neptune CMP - Large Diameter Six Strand Rope															
50.8	2	12.1	8.1	2141	218	241	2458	251	276	2535	259	285	2575	263	290
54.0	2 1/4	13.8	9.3	2396	244	269	2621	267	295	2741	280	308	2784	284	313
57.2	2 1/4	15.5	10.4	2684	274	302	2992	305	336	3144	321	353	3193	326	359
63.5	2 1/2	19.1	12.8	3272	334	368	3655	373	411	3840	392	432	3901	398	439
66.7	2 1/2	21.1	14.2	3594	367	404	4025	411	453	4232	432	476	4299	439	483
69.9	2 3/4	23.1	15.5	3916	400	440	4449	454	500	4667	476	525	4742	484	533
73.0	2 3/4	25.2	16.9	4260	435	479	4863	496	547	5101	521	574	5186	529	583
76.2	3	27.4	18.4	4626	472	520	5341	545	601	5613	573	631	5694	581	640
79.4	3 1/4	29.8	20.0	4981	508	560	5678	579	639	5961	608	670	6055	618	681
82.6	3 1/4	32.3	21.7	5369	548	604	6059	618	681	6364	649	716	6467	660	727
85.7	3 3/4	34.8	23.4	5746	586	646	6603	674	743	6929	707	779	7049	719	793
88.9	3 3/4	37.6	25.3	6123	625	689	7169	732	806	7527	768	846	7652	781	860
95.3	3 3/4	43.0	28.9	6966	711	783	7767	793	873	8159	833	917	8308	848	934
102.0	4	48.9	32.9	7831	799	881	8659	884	974	9095	928	1023	9238	943	1039

Estimated Rope Mass in Sea Water = 0.87x Rope Mass in Air:
 All Ropes manufactured in accordance with API Standards.