

DURA-PES 8/12

High Tenacity Polyester

Structure:8/12-Strand

High-tenacity polyester fiber makes rope have very good break strength and finest durability, it's widely use in mooring industry.

Features:

Specific Gravity:1.38~1.44g/cm³
 Melting Point:250~260 C
 Breaking Elongation:12%~21%
 Abrasion Resistance:Very Good
 Chemical Resistance:Very Good
 UV Resistance:Very Good
 Water Absorption:0.4%
 Wet-dry Strength Ratio:Dry≈Wet

Applications:

Mooring Line
 H-Bitt Working Line
 Lifting Sling
 Shock Line



Dia.		Circ.	Weight		Code	8-Strand				Code	12-Strand			
mm	inch	inch	kg/100m	lbs/100ft		Unspliced MBL		Spliced MBL			Unspliced MBL		Spliced MBL	
						ton	kN	ton	kN		ton	kN	ton	kN
12	1/2	1-1/2	10.9	7.3	6144042	2.6	26	2.4	23	6145042	2.9	29	2.7	26
16	5/8	2	19.4	13.0	6144062	4.6	45	4.2	41	6145062	4.9	48	4.5	44
20	13/16	2-1/2	30.4	20.4	6144082	7.2	71	6.6	64	6145082	7.7	76	7.0	69
24	1	3	43.7	29.3	6144102	10.3	101	9.4	92	6145102	11.0	108	10.0	98
28	1-1/8	3-1/2	59.5	39.9	6144122	13.5	132	12.3	120	6145122	14.6	143	13.3	130
30	1-1/4	3-3/4	68.3	45.8	6144132	15.1	148	13.7	135	6145132	16.3	160	14.8	145
32	1-5/16	4	77.7	52.1	6144142	17.2	168	15.6	153	6145142	18.5	182	16.8	165
36	1-1/2	4-1/2	98.4	66.0	6144162	21.8	213	19.8	194	6145162	23.6	231	21.4	210
40	1-5/8	5	121.0	81.2	6144182	27.0	265	24.6	241	6145182	28.6	281	26.0	255
44	1-3/4	5-1/2	147.0	98.6	6144202	32.1	314	29.1	286	6145202	34.9	342	31.7	311
48	2	6	175.0	117.4	6144222	38.4	376	34.9	342	6145222	41.0	402	37.2	365
52	2-1/8	6-1/2	205.0	137.5	6144242	45.8	449	41.6	408	6145242	49.4	484	44.9	440
56	2-1/4	7	238.0	159.6	6144252	51.5	505	46.8	459	6145252	55.0	539	50.0	490
60	2-1/2	7-1/2	273.0	183.1	6144262	57.2	561	52.0	510	6145262	61.2	600	55.6	545
64	2-5/8	8	311.0	208.6	6144272	64.1	628	58.3	571	6145272	69.6	682	63.3	620
72	3	9	393.0	263.6	6144292	81.3	797	73.9	724	6145292	86.4	847	78.6	770
80	3-1/4	10	486.0	326.0	6144312	103.0	1010	93.7	918	6145312	110.0	1078	100.0	980
88	3-5/8	11	588.0	394.4	6144332	121.4	1189	110.3	1081	6145332	129.1	1265	117.3	1150
96	4	12	699.0	468.8	6144352	143.1	1403	130.1	1275	6145352	151.5	1485	137.8	1350
104	4-1/4	13	821.0	550.7	6144372	171.7	1683	156.1	1530	6145372	185.2	1815	168.4	1650
112	4-5/8	14	952.0	638.5	6144392	194.6	1907	176.9	1734	6145392	207.7	2035	188.8	1850
120	5	15	1090.0	731.1	6144412	217.5	2132	197.8	1938	6145412	230.1	2255	209.2	2050
128	5-1/4	16	1240.0	831.7	6144432	256.5	2513	233.1	2285	6145432	269.4	2640	244.9	2400
136	5-5/8	17	1400.0	939.0	6144452	286.2	2805	260.2	2550	6145452	303.1	2970	275.5	2700
144	6	18	1570.0	1053.0	6144472	320.6	3142	291.4	2856	6145472	352.0	3450	316.3	3100
160	6-5/8	20	1940.0	1301.2	6144512	383.5	3759	348.7	3417	6145512	413.3	4050	372.4	3650

Bespoke diameter and length is available.
 ±5% tolerance according to ISO 2307.
 The minimum break load should never be considered as a safe working load.



Lloyd's Register



ClassNK

