

FASTVO

Ultra High Molecular Weight Polyethylene

Structure: 8/12-Strand

Made of Ultra High Molecular Weight Polyethylene(HMPE) fiber, through special treatment, very high break strength and light weight, break strength is 1.5 times higher than same size steel wire rope but weight is super light, around 1/8 of same size steel wire rope.

Features:

- Specific Gravity:0.97g/cm³
- Melting Point:145 °C
- Breaking Elongation:< 4%
- Abrasion Resistance:Very Good
- Chemical Resistance:Very Good
- UV Resistance:Very Good
- Water Absorption:0%
- Wet-dry Strength Ratio:100%

Applications:

- Davit
- Lifting Sling
- Tugging Main Line
- Fishing Line
- Mooring Line
- Offroad Winch Rope
- General Working Line



8-Strand		12-Strand		Dia.		Weight		Unspliced MBL		Spliced MBL	
Code	Code	mm	inch	inch	kg/100m	lbs/100ft	ton	kN	ton	kN	
6114011	6115011	6	1/4	3/4	2.3	1.5	4.1	40	3.7	36	
6114021	6115021	8	5/16	15/16	4.0	2.7	7.0	69	6.3	62	
6114031	6115031	10	3/8	1-1/8	6.1	4.1	10.7	105	9.7	95	
6114041	6115041	12	1/2	1-1/2	8.7	5.8	15.3	150	13.8	135	
6114051	6115051	14	9/16	1-3/4	11.7	7.8	20.4	200	18.4	180	
6114061	6115061	16	5/8	2	15.1	10.1	26.0	255	23.5	230	
6114071	6115071	18	3/4	2-1/4	19.0	12.7	32.1	315	29.1	285	
6114081	6115081	20	13/16	2-1/2	23.2	15.6	38.8	380	34.7	340	
6114091	6115091	22	7/8	2-3/4	28.1	18.8	45.9	450	41.3	405	
6114101	6115101	24	1	3	33.1	22.2	53.1	520	48.0	470	
6114111	6115111	26	1-1/16	3-1/4	38.4	25.8	61.2	600	55.1	540	
6114121	6115121	28	1-1/8	3-1/2	44.5	29.8	69.9	685	62.8	615	
6114131	6115131	30	1-1/4	3-3/4	50.6	33.9	79.1	775	71.4	700	
6114141	6115141	32	1-5/16	4	57.5	38.6	88.3	865	79.6	780	
6114161	6115161	36	1-1/2	4-1/2	72.0	48.3	109.2	1070	98.5	965	
6114181	6115181	40	1-5/8	5	88.1	59.1	131.1	1285	117.9	1155	
6114201	6115201	44	1-3/4	5-1/2	106.0	71.1	155.6	1525	140.3	1375	
6114221	6115221	48	2	6	125.0	83.8	181.1	1775	163.3	1600	
6114241	6115241	52	2-1/8	6-1/2	146.0	97.9	208.7	2045	187.8	1840	
6114251	6115251	56	2-1/4	7	169.0	113.4	237.8	2330	213.8	2095	
6114261	6115261	60	2-1/2	7-1/2	193.0	129.5	268.9	2635	241.8	2370	
6114271	6115271	64	2-5/8	8	220.0	147.6	301.0	2950	270.9	2655	
6114281	6115281	68	2-3/4	8-1/2	248.0	166.3	335.2	3285	301.5	2955	
6114291	6115291	72	3	9	278.0	186.5	370.9	3635	333.7	3270	
6114301	6115301	76	3-1/8	9-1/2	309.0	207.3	408.2	4000	367.3	3600	
6114311	6115311	80	3-1/4	10	343.0	230.1	446.4	4375	402.0	3940	
6114331	6115331	88	3-5/8	11	417.0	279.7	528.6	5180	475.5	4660	
6114351	6115351	96	4	12	497.0	333.4	616.3	6040	554.6	5435	
6114361	6115361	100	4-1/8	12-1/2	515.1	345.5	662.8	6495	596.4	5845	
6114371	6115371	104	4-1/4	13	555.5	372.6	710.2	6960	639.3	6265	
6114381	6115381	108	4-1/2	13-1/2	597.3	400.6	759.2	7440	683.2	6695	
6114391	6115391	112	4-5/8	14	640.4	429.5	809.7	7935	728.6	7140	
6114401	6115401	116	4-3/4	14-1/2	685.4	459.7	861.2	8440	775.0	7595	
6114411	6115411	120	5	15	731.6	490.7	914.3	8960	823.0	8065	

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

