

# HMPE ROPES

## LANEX HMPE ROPES

High Modulus PolyEthylene rope is one of the strongest, most durable and innovative ropes on the market today. The rope is made of high-modulus polyethylene. The HMPE ropes are impregnated with durable coating to reduce abrasion and extend the service life. The extraordinary features and extreme strenght of HMPE ropes is a reason for using it as frequent substitute to steel wire/steel ropes.



The HMPE ropes go through a special heat and UV resistance treatment. They have an extremely low friction coefficient and highly reduce an operation costs. Additionally, they offer much safer handling solution compared to a standard steel wire ropes.

## ANTISTATIC COATING

It is possible to get HMPE ropes with advanced antistatic surface coating for HMPE ropes. This special coating is water resistant and its application significantly reduces static electricity, which is generated on the surface of HMPE ropes.

## APPLICATIONS

■ MOORING ■ TOW ■ WINCH ■ TUG ■ HEAVY LIFTING

# LANEX HMPE

## /PARAMETERS/

Constructions:	12-strand braided and 8-strand braided
Fiber:	HMPE superior
Specific gravity:	0.97 (floating)
UV resistance:	excellent
Abrasion resistance:	excellent
Acid resistance:	excellent
Alkali resistance:	excellent
Chemicals resistance:	excellent
Cold and frost resistance:	excellent
Water resistance:	excellent
Heat resistance:	low (135 - 145 °C melting)
Elongation:	low (< 4 % at break)
Creep at 22 °C:	low (0.002 % per day)
Colours:	yellow, black, silver



### 12 STRAND



Ø	Circ.	Weight	BL	BL
mm	inch	kg/100 m	t	kN
2	1/12	0.25	0.3	3.4
3	1/8	0.49	0.9	8.8
4	1/2	0.77	1.0	10.0
5	5/8	1.43	2.3	22.5
6	3/4	2.30	4.1	40.0
8	1	4.00	7.0	69.0
10	1 1/4	6.10	10.7	105.5
12	1 1/2	8.70	15.3	150.0
14	1 3/4	11.70	20.4	200.0
16	2	15.10	26.5	260.0
18	2 1/4	19.00	32.1	315.0
20	2 1/2	23.30	38.8	380.0
22	2 3/4	28.00	45.9	450.0
24	3	33.10	53.0	520.0
26	3 1/4	38.40	61.2	600.0
28	3 1/2	44.50	69.4	680.0
30	3 3/4	50.80	79.1	775.0
32	4	57.50	88.7	870.0
34	4 1/4	64.60	98.4	965.0
36	4 1/2	72.00	106.1	1040.0
38	4 3/4	80.00	119.9	1175.0
40	5	88.10	128.5	1260.0

### 8 STRAND



Ø	Circ.	Weight	BL	BL
mm	inch	kg/100 m	t	kN
40	5	88.10	128.5	1260.0
42	5 1/4	97.20	142.0	1392.5
44	5 1/2	106.20	155.6	1525.0
46	5 3/4	116.00	168.3	1650.0
48	6	125.50	181.1	1775.0
52	6 1/2	146.40	208.6	2045.0
56	7	168.80	237.7	2330.0
60	7 1/2	192.80	268.8	2635.0
64	8	218.30	300.9	2950.0
68	8 1/2	245.30	335.1	3285.0
72	9	273.80	370.8	3635.0

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