



♣ Ultimatex 12 Rope-Thechnora ♣ ◆Korea-PDF File◆◆English-PDF File◆

Structure	Applications
	Mooring, Towing, Anchor lines, winch lines etc
	Feature
	<p>Aone Ultimatex-12(HMWPE) rope has a construction of 12-strand braid, made of HMWPE yarns. This rope is an excellent alternative to heavy and lumbbersome steelwire ropes.</p> <p>The strength is higher than steelwire rope if same diameter and weighs merely 1/7 of steelwire. The rope provides longer service life and reduces operation costs when compared to wire in various application. Because of specific gravity lower than one, it floats.</p>
	<ul style="list-style-type: none"> ① Toque free ② Very flexible and soft ③ High strength to weight ratio ④ Low stretch ⑤ Extremely light weight

Physical Properties

Fiber	Construction	Melting Point	Elongation at break	Specific gravity
High-Modulus Polyethylene(HMWPE)	12 strand	500 °C	4~5%	0.97

item No	Dia.		Breaking Strength		Cir.		Weight	
	mm	Inch	TON	LBS	mm	Inch	kg/100m	lbs/100ft
UHR006	6	1-4	4,2	9,200	18	3/4	2.3	4.0
UHR008	8	5/16	6,7	14,700	24	1	3.9	5.4
UHR009	9	3/8	8,7	19,000	27	1-1/8	5.0	6.0
UHR011	11	7/16	13,6	29,900	33	1-3/8	7.1	7.4
UHR012	12	1/2	16,5	36,300	36	1-1/2	9.5	8.1
UHR016	16	5/8	27,5	60,600	48	2	16.0	10.8
UHR018	18	3/4	35	77,000	54	2-1/4	20.8	12.1
UHR022	22	7/8	50	110,000	66	2-3/4	30.5	14.8
UHR024	24	15/16	58	127,800	72	3	35.8	16.1
UHR026	26	1-1/16	66	145,500	78	3-1/4	41.0	17.5
UHR028	28	1-1/8	74	163,000	84	3-1/2	47.0	31.3

UHR030	30	1-1/4	81,5	179,700	90	3-3/4	52.0	34.9
UHR032	32	1-5/16	88,5	195,000	96	4	57.0	39.3
UHR036	36	1-7/16	104	229,000	108	4-1/2	68.0,	45.7
UHR040	40	1-9/16	127	278,000	120	5	84.0	56.5
UHR044	44	1-3/4	152	335,000	132	5-1/2	102.0	68.5
UHR048	48	1-7/8	179	394,000	144	6	121.0	81.3
UHR052	52	2-1/8	206	454,000	156	6-1/2	141.0	94.8
UHR056	56	2-1/4	236	520,000	168	7	163.0	109.5
UHR060	60	2-3/8	252	555,000	180	7-1/2	175.0	117.6
UHR064	64	2-1/2	282	621,000	192	8	200.0	134.4
UHR068	68	3	316	696,600	216	8-1/2	226.0	151.8
UHR072	72	2-7/8	348	767,000	240	9	254.0	170.7
UHR080	80	3-5/32	422	930,000	264	10	313.0	210.3
UHR088	88	3-7/16	503	1,109,000	288	11	379.0	254.7
UHR096	96	3- 13/16	588	1,296,000	288	12	451.0	303.1