FISHING & AQUACULTURE

CORTLAND INTERNATIONAL™

THE GLOBAL IMPORTANCE OF AQUACULTURE

Aquaculture is no longer just an alternative — it's a global imperative.

With the world's population projected to exceed 9 billion by 2050, the demand for sustainable, high-quality protein is rising sharply. Aquaculture — the farming of fish, shellfish, and aquatic plants — now accounts for over 50% of the world's seafood consumption and continues to outpace all other food production sectors in growth.

Beyond its contribution to food security, aquaculture is a cornerstone of economic stability for many coastal and rural communities, providing employment to over 20 million people globally. It also plays a critical role in reducing overfishing pressures on wild marine populations and lowering the environmental footprint of animal protein production.

At Cortland International, we recognize the importance of this evolving industry and are committed to empowering its growth through innovative rope and netting solutions. From offshore cages to harvest systems, our technologies are engineered to support the strength, safety, and sustainability of aquaculture operations worldwide.

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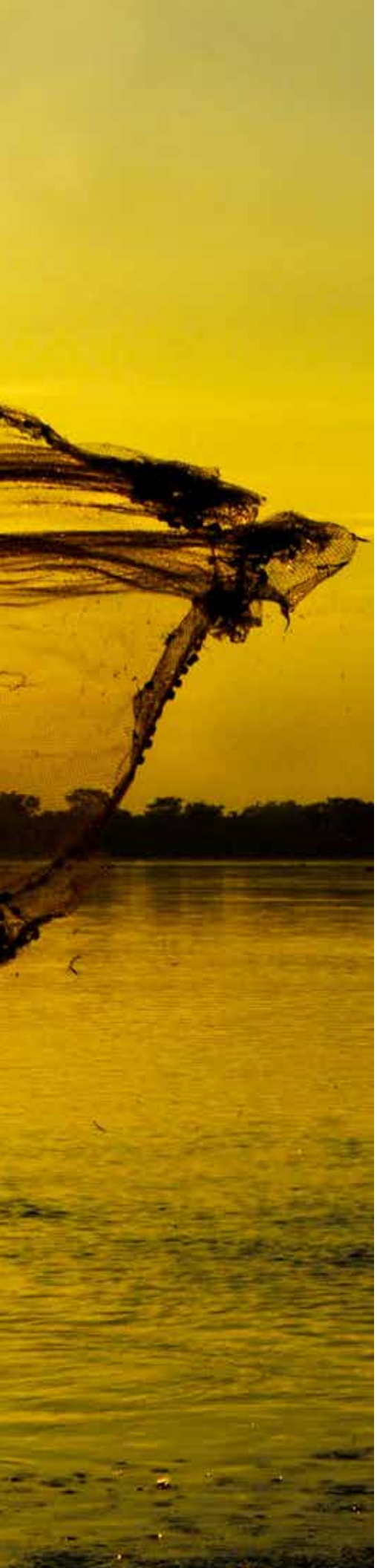
HIGH QUALITY RAW MATERIALS



Protecting fish with high-quality netting and ancillary products

In aquaculture, fish health and containment are critical to operational success. The right netting system does more than just hold stock — it safeguards the entire farming cycle. From preventing escapes and predator attacks to maintaining optimal water flow and reducing fish stress, quality netting is fundamental to sustainable and profitable aquaculture.

At Cortland International, we design and deliver netting and ancillary systems engineered for performance in diverse aquatic environments — from nearshore farms to high-energy offshore sites. Our nets are crafted for durability, resistance to biofouling, and ease of handling, helping reduce maintenance costs while improving fish welfare.

Beyond the nets themselves, we offer a range of ancillary products — including sinker rings, rope grids, and tensioning solutions — that work in tandem to optimize cage integrity, streamline operations, and support biosecurity.

With years of experience serving global aquaculture leaders, we understand the unique challenges producers face — and we continue to evolve our products to meet the highest standards of efficiency, safety, and sustainability.

Nylon Knotless

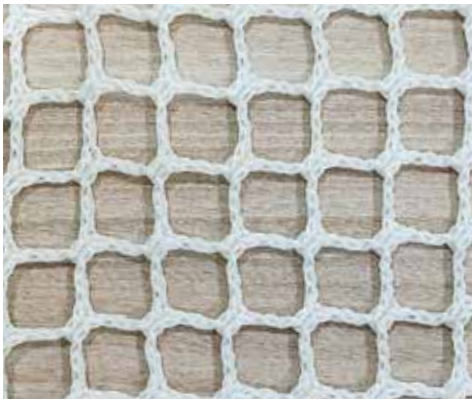
Knotless Nylon Multifilament Netting

Twine Dia. (mm)	Denier/Ply	Mesh BS Kgf (±5%)	Mesh Size [MMSQ]	GSM	Solidity %
1.59	21 /72	79	17.5	310	18.17
			25	181	12.72
1.8	210/96	95	17.5	372	20.57
			25	261	14.40
1.96	210D/108	117	17.5	459	22.40
			25	321	15.68
2.01	210/145	136	17.5	524	22.97
			25	367	16.08
2.2	210/168	151	21	505	20.95
			30	353	14.67

Aquamarine HT KL

HDPE Knotless Netting

Twine Dia. (mm)	Denier/Ply	Mesh BS Kgf (±5%)	Mesh Size [MMSQ]	GSM	Solidity %
2	250/96	76	18	377	22.22
			25	271	16.00
2.25	250/120	96	18	530	25.00
			25	369	18.00
2.3	250/132	106	18	546	25.55
			25	393	18.40
3.09	250/150	117	18	565	34.33
			25	407	24.72

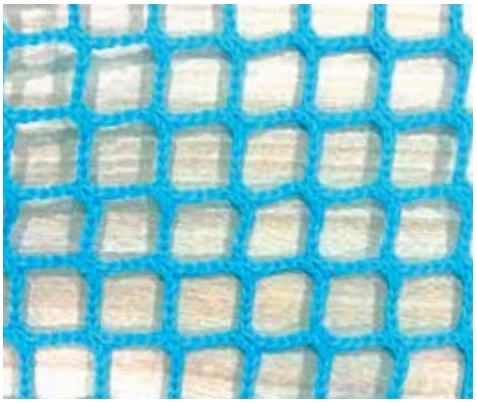


HMPE Knotless

Twine Dia. (mm)	Denier/Ply	Mesh BS Kgf (±5%)	Mesh Size MMSQ/"IFM	GSM	Solidity %
1.6	1600/4	76	18	115	17.78
			25	85	12.80
1.65	1600/4	96	18	125	18.33
			25	95	13.20
1.95	1600/6	117	18	265	21.67
			25	185	15.60
2	1600/8	136	18	170	22.22
			25	190	16.00
2.2	1600/8	151	21	245	20.95
			30	170	14.67
2.4	1600/10	180	21	365	22.86
			30	255	16.00
2.6	1600/10	200	21	370	22.86
			30	260	17.33
2.8	1600/20	400	6	102	8.33
			10	68	5.19
3.2	1600/25	500	6	128	10.24
			10	85	5.19
3.8	1600/30	600	6	154	12.50
			10	102	7.78
4.1	1600/40	700	6	206	13.81
			10	136	8.59

AquaTuf Knotless

Twine Dia. (mm)	Denier/Ply	Mesh BS Kgf (±5%)	Mesh Size [MMSQ]	GSM	Solidity %
2.3	280/108	76	18	460	25.56
			25	335	18.60
2.4	280/114	96	18	485	26.67
			25	350	19.20
2.7	280/126	106	18	535	30.00
			25	390	21.60
3.3	280/132	117	18	560	36.67
			25	410	26.40
3.8	280/144	136	18	610	42.22
			25	445	30.40
4.2	280/180	151	1.25	668	40.98
			2.5	360	22.11
4.5	280/198	176	1.25	735	43.90
			2.5	396	23.68

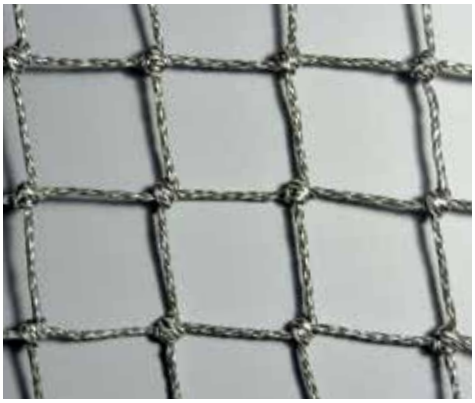


Aqua Supreme™

Twine Dia. (mm)	Runnage m/kg	Cut Rest. Kgf	Specific Gravity	MBS kgf	Mesh Size mm^2/IFM	GSM
1.55	510	9.0	1.07	96	18.5	418
					25	271
1.6	450	10.2	1.07	117	18.5	488
					25	315
1.7	420	11.0	1.07	136	18.5	532
					25	342
1.9	370	16.0	1.07	151	18.5	624
					25	399
2.0	340	18.0	1.07	171	18.5	695
					25	443
2.1	320	19.2	1.07	200	18.5	750
					25	447
3.8	107	25.0	1.07	450	6	344
					10	186
4	88	36.0	1.07	550	6	434
					10	230
5	65	38.0	1.07	700	6	599
					10	319
6	60	42.0	1.07	800	6	638
					10	343

Aqua Supreme™ Sustainable

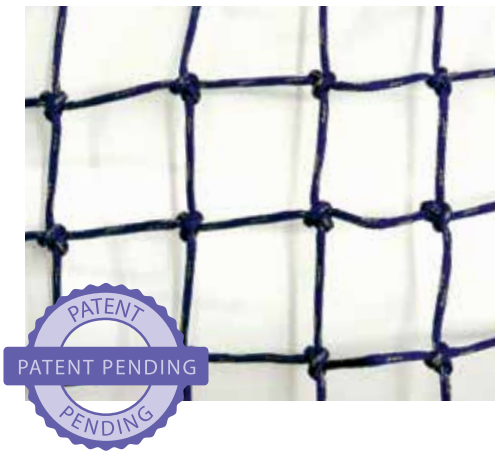
Twine Dia. (mm)	Runnage meter/kg	Cut Resistance (kgf)	Specific gravity	MBS Kgf	Mesh Size [MMSQ]	GSM	Solidity %
1.55	635	6.38	0.96	96	18	382	18.87
					25	239	13.14
1.60	580	7.44	0.96	117	18	427	19.29
					25	267	13.57
1.70	510	7.60	0.96	136	18	501	20.53
					25	311	14.43
1.90	430	7.90	0.96	151	21	493	19.48
					30	296	13.33
2.10	340	10.30	0.96	200	21	659	21.58
					30	392	14.76



Tufcort™ Anti Predator

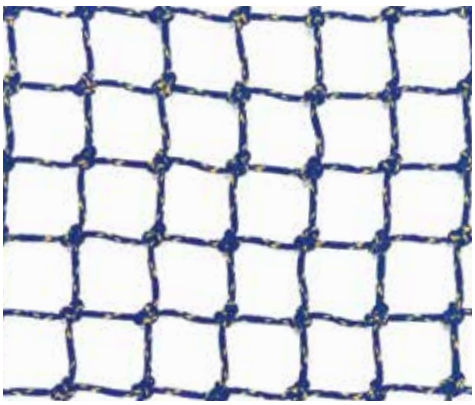
Predator Protection Solution

Twine Dia. (mm)	Runnage m/kg	Cut Rest. Kgf	Mesh Stiffness kgf	Mesh Size KK	GSM	MBS kgf
3.8	70	28	4.8	6" KK	620	350
4.8	62	33	6.6	6" KK	710	410
6	40	36	6.5	10" IFM	547	550
6.5	30	38	6.8	10" IFM	744	700



AQUAMARINE HMPE

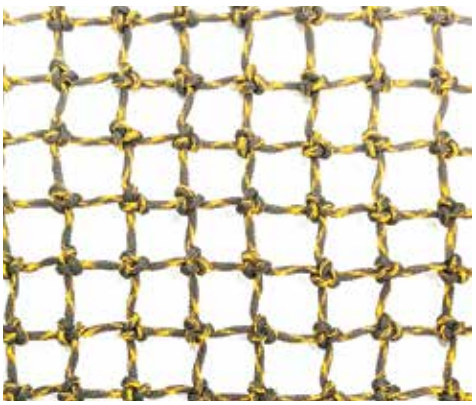
Twine Dia. (mm)	Runnage m/kg	Cut Rest. Kgf	Specific Gravity	MBS kgf	Mesh Size MMQS / IFM	GSM
1.7	470	6.0	0.95	79	18.5	463
					25	299
1.8	387	6.8	0.95	96	18.5	590
					25	378
1.9	360	8.5	0.95	117	18.5	646
					25	413
2.2	295	9.0	0.95	136	18.5	832
					25	528
2.6	272	11.0	0.95	151	18.5	923
					25	584
2.8	200	15.1	0.95	185	18.5	1373
					25	858
3.1	150	16.9	0.95	300	25	1236
					50	618
3.8	90	19.7	0.95	380	6	409
					10	222
5	73	22.1	0.95	500	6	506
					10	275
5.5	63	24.5	0.95	600	6	592
					10	322
6	45	26.3	0.95	700	6	856
					10	468
6.5	37	28.0	0.95	800	6	1084
					10	586



AQUAMARINE ULTRA BRAIDED

WAX / POLYESTER / SS CORE

Twine Dia. (mm)	Runnage m/kg	Cut Rest. Kgf	Specific Gravity	MBS kgf	Mesh Size MMQS / IFM	GSM
1.7	380	6.0	1.07	79	18.5	604
					25	387
1.9	325	6.5	1.07	96	18.5	736
					25	468
2.2	272	7.8	1.07	117	18.5	923
					25	584
2.45	255	9.0	1.07	136	18.5	1002
					25	632
2.6	200	10.2	1.07	151	18.5	1372
					25	858
2.8	178	13.5	1.07	185	18.5	1596
					25	994
3.1	136	14.6	1.07	300	25	1400
					50	700
3.8	79	16.8	1.07	380	6	476
					10	256
4.5	62	18.7	1.07	490	6	623
					10	334
5	58	21.0	1.07	535	6	664
					10	357
5.5	46	22.2	1.07	650	6	861
					10	460
6	40	24.5	1.07	730	6	1002
					10	536



Aquamarine Braided

High Tenacity HDPE Braided Knotted Netting

Twine Dia. (mm)	Runnage m/kg	Cut Rest. Kgf	Specific Gravity	MBS kgf	Mesh Size MMQS / IFM	GSM
1.8	555	4.0	0.95	79	18.5	376
					25	245
2.1	400	4.6	0.95	96	18.5	566
					25	363
2.25	375	4.8	0.95	117	18.5	614
					25	393
2.35	280	5.0	0.95	136	18.5	889
					25	563
2.55	260	5.6	0.95	151	18.5	978
					25	617
2.7	238	6.2	0.95	165	18.5	1095
					25	689
3.1	190	7.3	0.95	200	25	915
					50	337
3.5	165	8.0	0.95	250	25	1094
					50	420
3.8	117	8.2	0.95	300	6	302
					10	166
4.2	93	8.7	0.95	360	6	394
					10	214
5	69	9.3	0.95	460	6	541
					10	293
6	45	9.5	0.95	530	6	870
					10	470
7	40	10.3	0.95	650	6	978
					10	526

Tufline Trawling Netting

Twine Dia. (mm)	Runnage m/kg	MBS kgf	KBS kgf
Tufline-Braided knotted Trawling application			
1.2	800	53.0	63
2	370	105.0	140
2.5	287	130.0	175
3	255	155.0	210
3.5	190	210.0	275
4	155	240.0	330
4.5	199	300.0	440
5	100	353.0	523
5.5	84	543.0	660
6	59	625.0	900
7	48	700.0	1000
8	37	875.0	1300

Twine Dia. (mm)	Runnage m/kg	MBS kgf	KBS kgf
Aquamarine Next Generation Trawling application			
1	1040	60	68
1.2	840	62	75
1.5	576	84	94
1.7	515	100	120
2.1	350	140	185
2.6	220	225	280
3.1	190	260	315
3.5	168	300	355
3.8	138	355	425
4.2	110	420	515
5	80	590	745
6	61	730	940
6.7	52	860	1100
7.2	39	1050	1350

PLASMA®

Plasma® 12-Strand and 12x12 ropes are the culmination of 25 years of engineering expertise in the HMPE industry. Our dedication to providing customers with industry-leading synthetic line is and always has been the goal. Our continued innovation and unwavering desire are to provide the strongest and most reliable product available.

Plasma ropes are delivered standard with a polyurethane finish and is easily spliced using a simple lockstitch type splice, 5-4-3 tuck splice. Their soft, torque free braided construction provides easy handling.

Features & Benefits

- Highest strength
- Lowest stretch
- Low creep
- Soft hand
- Torque-free
- Easy splicing
- Floats
- Sizes 16mm–60mm are MEG4 approved

Applications

- Replacement for wire rope
- Vessel mooring lines

Type approved product

DNV·GL

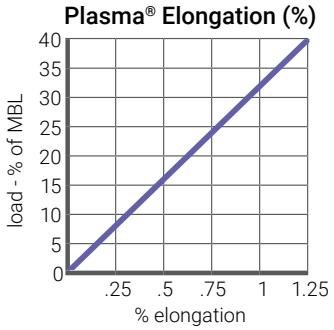
Technical Information

Specific gravity	**0.98***
Melting point	**284°F (140°C)**
Critical temp.	**150°F (65°C)**
Coefficient of friction	**0.09–0.12***
Elongation at break	**3%–4%**
Fiber water absorption	**0%**
UV resistance	**excellent**
Wet abrasion	**excellent**
Dry abrasion	**excellent**

* value based on data supplied by the fiber manufacturer for new, dry fiber

Nominal Diameter		Size (circ in.)	Approximate Weight		Minimum Tensile Strength Spliced Rope/LDBF		Minimum Tensile Strength ISO Unspliced Rope	
inch	mm		lbs/ 100ft	kg/ 100m	lbs	MT (tonnes)	lbs	MT (tonnes)
12-Strand								
0.04	1	**0.12**	**0.05**	0.1	**270**	0.1	**300**	0.13
0.05	1.25	**0.15**	**0.07**	0.1	**390**	0.2	**430**	0.20
0.06	1.5	**0.18**	**0.1**	0.1	**475**	0.2	**525**	0.23
0.07	1.75	**0.21**	**0.14**	0.2	**750**	0.3	**830**	0.38
0.1	2.5	**0.3**	**0.27**	0.4	**1,400**	0.6	**1,550**	0.7
1/8	3	**3/8**	**0.54**	0.8	**2,800**	1.3	**3,100**	1.4
3/16	5	**9/16**	**1.12**	1.7	**5,500**	2.5	**6,100**	2.8
1/4	6	**3/4**	**1.6**	2.4	**8,000**	3.6	**8,890**	4.0
5/16	8	**15/16**	**2.5**	3.7	**11,700**	5.3	**13,000**	5.9
3/8	9	**1-1/8**	**3.7**	5.5	**17,500**	7.9	**19,400**	8.8
ABS and DNV Type Approved Sizes								
7/16	11	**1-1/4**	**4.2**	6.3	**21,000**	9.5	**23,400**	10.6
1/2	12	**1-1/2**	**6.4**	9.5	**31,300**	14.2	**34,800**	15.8
9/16	14	**1-3/4**	**7.9**	11.8	**37,900**	17.2	**42,100**	19.1
5/8	16	**2**	**10.6**	15.8	**51,400**	23.3	**57,100**	25.9
3/4	18	**2-1/4**	**13.3**	19.8	**68,500**	31.1	**76,300**	34.6
13/16	20	**2-1/2**	**15.9**	23.7	**74,000**	33.6	**82,200**	37.2
7/8	22	**2-3/4**	**19.6**	29.2	**92,600**	42.0	**102,900**	46.7
1	24	**3**	**23.4**	34.8	**110,000**	49.9	**122,100**	55.4
1-1/16	26	**3-1/4**	**27.5**	40.9	**129,200**	58.6	**143,500**	65.1
1-1/8	28	**3-1/2**	**31.9**	47.5	**147,000**	66.7	**163,300**	74.1
1-1/4	30	**3-3/4**	**36.2**	53.9	**165,000**	74.9	**183,100**	83.1
1-5/16	32	**4**	**41.7**	62.1	**196,000**	88.9	**217,800**	98.8
1-1/2	36	**4-1/2**	**51.7**	76.9	**221,000**	100.3	**245,500**	111.3
12x12								
1-5/8	40	**5**	**66**	98	**291,000**	132	**323,300**	147
1-3/4	44	**5-1/2**	**78**	117	**314,000**	142	**348,900**	158
2	48	**6**	**91**	136	**355,000**	161	**392,450**	178
2-1/8	52	**6-1/2**	**109**	162	**428,000**	194	**475,600**	216
2-1/4	56	**7**	**122**	182	**481,000**	218	**534,400**	242
2-1/2	60	**7-1/2**	**148**	220	**530,000**	240	**588,900**	267

Tensile strengths are determined in accordance with Cordage Institute 1500.2. Test Methods for Fiber Rope. Minimum Tensile Strength (MTS) published assumes spliced eye terminations at each end of the rope. Weights actually calculated at linear density under stated preload (200d^2) plus 4%. Diameter and circumference size published is nominal and reflects rope size after loading (10 cycles) to 50% of MTS. See reverse side for application and safety information.



TORO®

Toro® 12-Strand and 12x12 are HMPE braided ropes with high strength-to-weight ratio and, size-for-size, offers the same strength as steel. Toro is manufactured from High Modulus Polyethylene (HMPE) and is an excellent wire rope replacement with low stretch, superior flex fatigue and wear resistance.

Toro ropes are delivered standard with a polyurethane finish and is easily spliced using a simple lockstitch bury splice, or tuck splice. Its soft, torque free braided construction provides easy handling and inspection.

Features & Benefits

- High strength
- Lowest stretch
- Low creep
- Soft hand
- Torque-free
- Easy splicing
- Floats
- Sizes 16mm–60mm are MEG4 approved

Applications

- Replacement for wire rope
- Vessel mooring lines
- Offshore working ropes

Type approved product

DNV·GL

ABS TYPE APPROVED PRODUCT

Technical Information

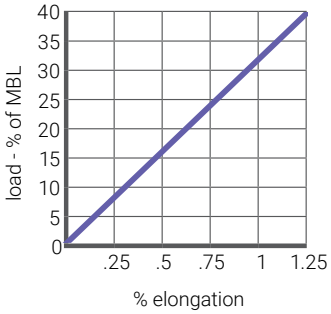
Specific gravity	**0.98***
Melting point	**284°F (140°C)**
Critical temp.	**150°F (65°C)**
Coefficient of friction	**0.09–0.12***
Elongation at break	**3%–4%**
Fiber water absorption	**0%**
UV resistance	**excellent**
Wet abrasion	**excellent**
Dry abrasion	**excellent**

* value based on data supplied by the fiber manufacturer for new, dry fiber

Nominal Diameter		Size (circ in.)	Approximate Weight		Minimum Tensile Strength Spliced Rope/LDBF		Minimum Tensile Strength ISO Unspliced Rope	
inch	mm		lbs/ 100ft	kg/ 100m	lbs	MT (tonnes)	lbs	MT (tonnes)
12-Strand								
1/8	3	**3/8**	**0.69**	1.03	**2,800**	1.27	**3,110**	1.41
3/16	5	**9/16**	**1.20**	1.79	**5,500**	2.49	**6,110**	2.77
1/4	6	**3/4**	**1.7**	2.6	**8,000**	3.63	**8,880**	4.0
5/16	8	**15/16**	**2.6**	3.8	**11,700**	5.31	**12,990**	5.9
3/8	9	**1-1/8**	**3.6**	5.3	**17,500**	7.94	**19,440**	8.8
7/16	11	**1-1/4**	**4.8**	7.1	**22,000**	10.0	**24,400**	11.1
1/2	12	**1-1/2**	**6.1**	9.1	**30,500**	13.8	**33,800**	15.4
9/16	14	**1-3/4**	**7.6**	11.3	**36,500**	16.6	**40,500**	18.4
5/8	16	**2**	**9.4**	14.1	**47,800**	21.7	**53,100**	24.1
3/4	18	**2-1/4**	**13.5**	20.1	**61,800**	28.0	**68,600**	31.1
13/16	20	**2-1/2**	**15.8**	23.5	**74,000**	33.6	**82,200**	37.3
7/8	22	**2-3/4**	**18.5**	27.5	**84,300**	38.2	**93,600**	42.5
1	24	**3**	**23.7**	35.3	**105,000**	47.6	**116,600**	52.9
1-1/16	26	**3-1/4**	**26.9**	40.0	**121,600**	55.1	**135,000**	61.3
1-1/8	28	**3-1/2**	**30.3**	45.1	**137,000**	62.1	**152,200**	69.0
1-1/4	30	**3-3/4**	**37.2**	55.4	**157,000**	71.2	**174,400**	79.1
1-5/16	32	**4**	**41.1**	61.2	**176,400**	80.0	**195,900**	88.9
1-1/2	36	**4-1/2**	**53.8**	80.1	**215,000**	97.5	**238,800**	108.3
12x12								
1-5/8	40	**5**	**66**	98	**291,000**	132	**323,300**	147
1-3/4	44	**5-1/2**	**78**	117	**314,000**	142	**348,900**	158
2	48	**6**	**91**	136	**355,000**	161	**392,450**	178
2-1/8	52	**6-1/2**	**109**	162	**428,000**	194	**475,600**	216
2-1/4	56	**7**	**122**	182	**481,000**	218	**534,400**	242
2-1/2	60	**7-1/2**	**148**	220	**530,000**	240	**588,900**	267

Tensile Strengths are determined in accordance with Cordage Institute CI 1500-02. Test Methods for Fiber Rope. Minimum Tensile Strength (MTS) published assumes spliced eye terminations at each end of the rope. Weights actually calculated at linear density under stated preload ($200d^2$) plus 4%. Diameter and circumference size published is nominal and reflects rope size after loading (10 cycles) to 50% of MTS. See reverse side for application and safety information.

Toro® Elongation (%)



SUPERTUF™

Supertuf™ ropes are manufactured from a high-quality PE/PP blend. Designed as an ideal mooring line for large vessels as well as aquaculture applications, these ropes offer a good strength-to-weight ratio, float on water, and do not absorb moisture. They also feature high resistance to abrasion and chemicals, ensuring durability in demanding marine environments.

Supertuf Ropes are easily spliced using a standard tuck splice. Their torque-free braided construction ensures easy handling and prevents kinks and hockling.

Features & Benefits

- Floats
- Good strength to weight ratio
- Good abrasion resistance
- Torque free
- Easy splicing

Applications

- Floating mooring lines for barges/vessels
- Floating winch lines
- Lashings
- Aquaculture

Technical Information

Specific gravity	**0.92***
Melting point	**165°C (329°F)**
Water Absorption.	**0-1%**
Elongation at break	**15-20%**
UV resistance	**good**
Wet abrasion	**good**
Dry abrasion	**good**

* values based on data supplied by the fiber manufacturer for raw, dry fiber

Nominal Diameter	Size (circ in.)	Approximate Weight		Minimum Tensile Strength Spliced Rope		Minimum Tensile Strength ISO Unspliced Rope	
mm		lbs/100 ft	kgs/100 m	lbs	MT (tonnes)	lbs	MT (tonnes)
				3-Strand			
8	15/16	**1.95**	2.9	**2360**	1.07	**2630**	1.19
10	1-1/8	**3.04**	4.53	**3642**	1.65	**4047**	1.84
12	1-1/2	**4.38**	6.52	**5148**	2.34	**5710**	2.59
14	1-3/4	**5.97**	8.88	**6744**	3.06	**7644**	3.47
16	2	**7.79**	11.6	**8813**	4	**9779**	4.44
18	2-1/4	**9.88**	14.7	**11016**	5	**12252**	5.56
20	2-1/2	**12.16**	18.1	**13399**	6.08	**14882**	6.75
22	2-3/4	**14.72**	21.9	**16006**	7.26	**17782**	8.07
24	3	**17.54**	26.1	**18772**	8.51	**20862**	9.46
28	3-1/2	**23.85**	35.5	**24954**	11.32	**27652**	12.54
32	4	**31.18**	46.4	**31698**	14.38	**35295**	16.01
36	4-1/2	**39.44**	58.7	**39342**	17.85	**43613**	19.78
40	5	**48.72**	72.5	**47435**	21.52	**52605**	23.86
44	5-1/2	**58.93**	87.7	**55978**	25.39	**62272**	28.25
48	6	**69.88**	104	**65869**	29.88	**73063**	33.14
52	6-1/2	**81.98**	122	**75986**	34.47	**84528**	38.34
56	7	**95.42**	142	**86776**	39.36	**96443**	43.75
64	8	**124.99**	186	**110157**	49.97	**122296**	55.47
72	9	**157.91**	235	**136909**	62.1	**152196**	69.04
80	10	**194.87**	290	**165460**	75.05	**183894**	83.41
				8-Strand			
24	3	**17.47**	26	**20283**	9.2	**22487**	10.2
28	3-1/2	**23.52**	35	**26896**	12.2	**29762**	13.5
32	4	**30.91**	46	**34172**	15.5	**37919**	17.2
36	4-1/2	**39.65**	59	**41888**	19	**46517**	21.1
40	5	**48.38**	72	**52249**	23.7	**57982**	26.3
44	5-1/2	**60.48**	90	**64595**	29.3	**71650**	32.5
48	6	**69.88**	104	**74516**	33.8	**82673**	37.5
52	6-1/2	**81.98**	122	**92374**	41.9	**102515**	46.5
56	7	**95.42**	142	**105381**	47.8	**117065**	53.1
64	8	**124.31**	185	**136246**	61.8	**151457**	68.7
72	9	**157.24**	234	**170638**	77.4	**189597**	86
80	10	**194.87**	290	**209880**	95.2	**233249**	105.8
88	11	235.86	351	251547	114.1	279546	126.8
96	12	280.21	417	298065	135.2	331134	150.2
104	13	329.27	490	348330	158	387131	175.6
112	14	383.02	570	403886	183.2	448640	203.5
120	15	436.78	650	461868	209.5	513236	232.8

Tensile Strengths are determined in accordance with Cordage Institute 1500, Test Methods for Fiber Rope. Weights are calculated at linear density under standard preload ($200d^2$) plus 4%. See reverse side for application and safety information.

TUFFLEX™ SINKING

Tufflex™ Sinking Ropes are crafted from a unique blend of high-strength polyester and copolymer fibers, offering a balanced combination of durability, flexibility, and performance. This specialized construction ensures excellent wear resistance, making the rope ideal for demanding marine and industrial applications where long service life is essential. Its sinking property adds functional value in environments where buoyant ropes are unsuitable, such as underwater applications: subsea, fishing and offshore applications.

Features & Benefits

- Sinking nature
- Excellent abrasion resistance
- Easy splicing

Applications

- Aquaculture
- Fishing industry
- Offshore and subsea operations
- Subsea rigging or anchoring
- Harbor and port use
- Dredging and marine construction
- Industrial marine applications
- Utility and general marine use

Technical Information

Specific gravity	**1.2**
Melting point	**165°C (329°F)**
Water absorption	**0-1%**
Elongation at break	**14-20%**
UV resistance	**excellent**
Abrasion resistance	**excellent**
Chemical resistance	**excellent**

* value based on data supplied by the fiber manufacturer for new, dry fiber

Nominal Diameter	Size (circ in.)	Approximate Weight		Minimum Tensile Strength Spliced Rope		Minimum Tensile Strength ISO Unspliced Rope	
mm		lbs/ 100 ft	kgs/ 100 m	lbs	MT (tonnes)	lbs	MT (tonnes)
				3-Strand			
8	15/16	3.09	4.60	2282	1.035	2535	1.15
10	1-1/8	4.10	6.10	3373	1.53	3748	1.7
12	1-1/2	6.11	9.10	4960	2.25	5512	2.5
14	1-3/4	9.21	13.70	6746	3.06	7496	3.4
16	2	11.29	16.80	8532	3.87	9480	4.3
18	2-1/4	14.31	21.30	10714	4.86	11905	5.4
20	2-1/2	17.40	25.89	13294	6.03	14771	6.7
22	2-3/4	22.04	32.80	15873	7.20	17637	8.0
24	3	25.53	38.00	18850	8.55	20944	9.5
28	3-1/2	34.81	51.80	25794	11.70	28660	13.0
32	4	46.10	68.60	32739	14.85	36376	16.5
36	4-1/2	54.98	81.82	43651	19.80	48502	22.0
40	5	67.81	100.91	63493	28.80	70548	32.0
44	5-1/2	71.78	106.82	79366	36.00	88185	40.0
48	6	86.13	128.18	93255	42.30	103617	47.0
52	6-1/2	100.18	149.09	109922	49.86	122136	55.4
56	7	115.46	171.82	127978	58.05	142198	64.5
64	8	178.07	265.00	186511	84.60	207234	94.0
72	9	225.11	335.00	225202	102.15	250224	113.5
80	10	276.73	411.82	277782	126.00	308647	140.0
				8-Strand			
24	3	25.53	38.00	18850	8.55	20944	9.5
28	3-1/2	34.82	51.82	25794	11.70	28660	13.0
32	4	46.12	68.64	32739	14.85	36376	16.5
36	4-1/2	54.98	81.82	43651	19.80	48502	22.0
40	5	67.81	100.91	63493	28.80	70548	32.0
44	5-1/2	71.78	106.82	79366	36.00	88185	40.0
48	6	86.13	128.18	93255	42.30	103617	47.0
52	6-1/2	100.18	149.09	109922	49.86	122136	55.4
56	7	115.46	171.82	127978	58.05	142198	64.5
64	8	178.07	265.00	186511	84.60	207234	94.0
72	9	225.11	335.00	225202	102.15	250224	113.5
80	10	276.73	411.82	277782	126.00	308647	140.0
88	11	335.99	500.00	294251	133.47	326945	148.3
96	12	399.82	595.00	350204	158.85	389115	176.5
104	13	467.02	695.00	410721	186.30	456356	207.0
112	14	540.94	805.00	476198	216.00	529109	240.0
120	15	618.21	920.00	546636	247.95	607373	275.5

SUPERTUF™ AQUA

Supertuf™ Aqua ropes are manufactured from a high-quality polyethylene, polypropylene (PE/PP) blend. Designed as an ideal aquaculture (fish farming) rope, they offer a good strength-to-weight ratio, float on water, and do not absorb moisture. They also feature good resistance to abrasion and chemicals, ensuring durability in demanding marine environments.

Supertuf Aqua ropes are easily spliced using a standard tuck splice.

Features & Benefits

- Floats
- Good strength-to-weight
- Easy splicing

Applications

- Aquaculture (fish farming)

Technical Information

Specific gravity	**0.94**
Melting point	**165°C (329°F)**
Water absorption	**0-1%**
Elongation at break	**15-18%**
UV resistance	**good**
Abrasion resistance	**good**
Chemical resistance	**good**

* value based on data supplied by the fiber manufacturer for new, dry fiber

Nominal Diameter	Size (circ in.)	Approximate Weight		Minimum Tensile Strength Spliced Rope		Minimum Tensile Strength ISO Unspliced Rope	
mm		lbs/ 100 ft	kgs/ 100 m	lbs	MT (tonnes)	lbs	MT (tonnes)
	3-Strand						
10	**1-1/8**	**3.0**	4.5	**4385**	2.0	**4872**	2.21
12	**1-1/2**	**4.4**	6.6	**6409**	2.9	**7121**	3.23
16	**2**	**7.8**	11.6	**10764**	4.9	**11960**	5.425
20	**2-1/2**	**12.0**	17.9	**16369**	7.4	**18188**	8.25
24	**3**	**17.5**	26.0	**23512**	10.7	**26125**	11.85
36	**4-1/2**	**39.0**	58.0	**48413**	22.0	**53793**	24.4
48	**6**	**69.9**	104.0	**84724**	38.4	**94137**	42.7
56	**7**	**95.4**	142.0	**110716**	50.2	**123018**	55.8
	8-Strand						
24	**1**	**19.4**	28.8	**26786**	12.2	**29762**	13.5
28	**1-1/8**	**26.5**	39.4	**35715**	16.2	**39683**	18.0
32	**1-1/4**	**34.3**	51.1	**45635**	20.7	**50706**	23.0
36	**1-1/2**	**43.1**	64.1	**56548**	25.7	**62831**	28.5
40	**1-5/8**	**53.2**	79.1	**69445**	31.5	**77161**	35.0
48	**2**	**76.9**	114.5	**97223**	44.1	**108025**	49.0
56	**2-5/16**	**104.8**	156.0	**128969**	58.5	**143299**	65.0
68	**2-7/8**	**154.6**	230.0	**190477**	86.4	**211642**	96.0
72	**3**	**173.4**	258.0	**209327**	95.0	**232585**	105.5
88	**3-5/8**	**259.4**	386.0	**311510**	141.3	**346122**	157.0
96	**4**	**308.4**	459.0	**367066**	166.5	**407851**	185.0

Our ESG Approach

Our ESG strategy is an integral part of our long-term, globally aligned strategic imperatives and operating priorities. It is deeply embedded in our vision, mission and values as an organization. We continuously seek to identify ways to broaden our commitments to ESG efforts and make progress on our goal of making life in our operations, in our communities, and on the planet better today and in the future. Through our engagement with stakeholders, we aim to seek diverse perspectives and foster an environment where we take the time to listen first, be present and strive to make others feel welcomed, valued, heard and respected.

Sustainable Products & Operations

Committing to reducing emissions from our existing operations and investing in future lower-carbon energies. This ensures our journey to net-zero emissions is both transparent and effective and creates shared value throughout the product life cycle.

Supporting Our Employees & Our Communities

Bringing purposeful innovation to our consumers and improving the environment for our employees and our communities.

Doing the Right Thing

Holding ourselves accountable and maintaining robust policies, procedures, and systems to ensure we live by our values.

WHO WE ARE

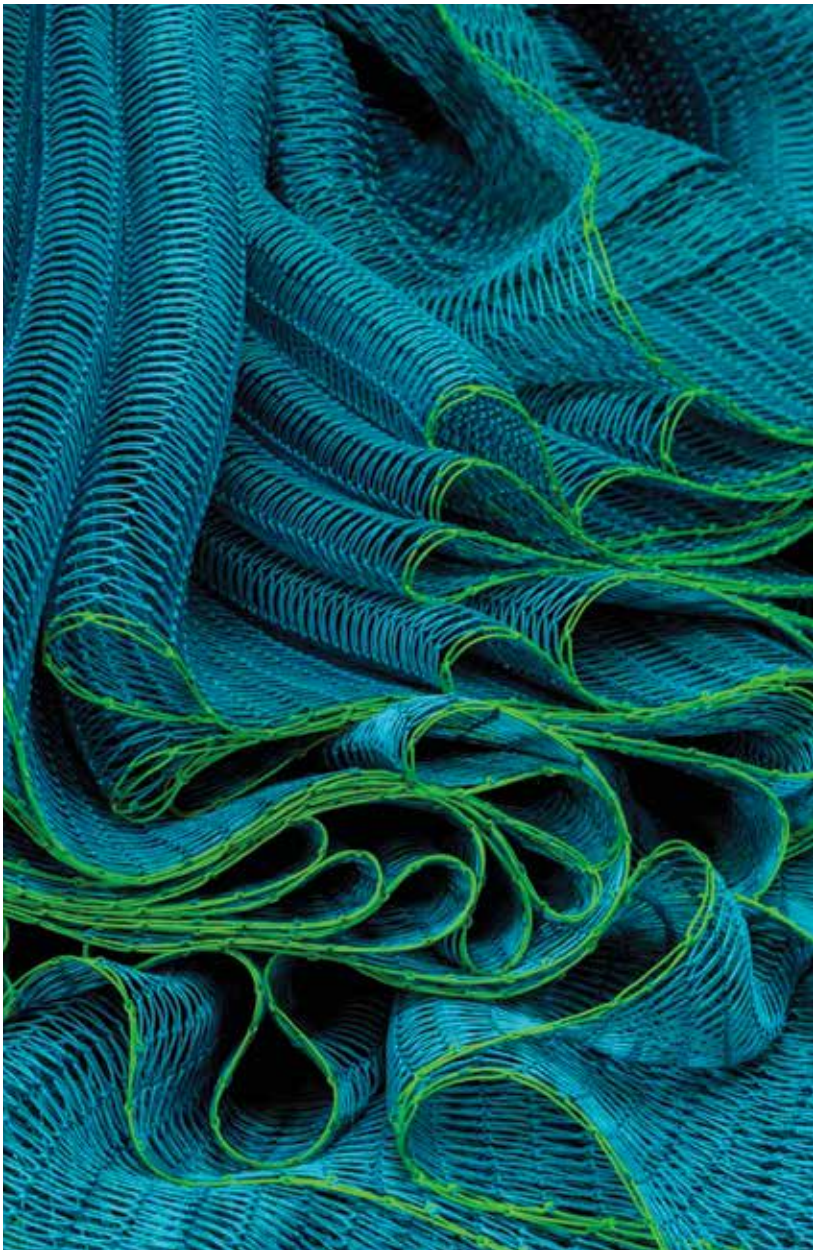
CORTLAND INTERNATIONAL™

Cortland International brings together industry leaders with decades of experience delivering superior quality synthetic rope products and customized solutions that provide unparalleled value for our customers. As the largest rope manufacturer in the world, we're growing, expanding our extensive portfolio, and accelerating innovation to create a safer, more secure, and sustainable way to work.

Our 30+ years of continuous innovation is fueled by deep technical expertise; delivering customized high-performance synthetic solutions that help solve the most complex challenges across diverse markets.

Inspired solutioneers, we are meeting the needs of diverse industries, connecting people with innovative, future ready products and solutions that make work, play and everyday life easier and safer.

We welcome your inquiries, email us at contact@cortlandinternational.com.



TUFROPES

Decades of experience in customer-centric rope and netting product development, Tufropes has one of the largest vertically integrated manufacturing facilities in the world with the capacity of 70,000 MT p.a. across 7 facilities and over 35,000 SKUs, delivered in 70+ countries.

CORTLAND INDUSTRIAL

A recognized industry-leader, with deep technical expertise, Cortland has been defining customized synthetic rope solutions for more than 30 years, that are stronger than steel, last longer, are safer by design and over 80% lighter than steel wire rope.

NOTES

Anacortes, WA – USA

Houston, TX – USA

Vadodara-Gujarat – India

Indore-M.P Unit – India

Masat-Silvassa Unit – India

Mumbai – India

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contact@cortlandinternational.com

Marine & Shipping

Fishing & Aquaculture

Offshore

Sports Nets

Heavy Lifting

BUILDING POWERFUL COLLABORATIONS

Over 1,000 customers worldwide trust us to help grow their business.

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