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Reference Code: DONGOICASYANG

# PP Rope

## Structure



8-STRAND CONSTRUCTION

## Fiber Content

● Polypropylene Fiber

## Characteristics

- Good strength
- Floats
- Superior ultraviolet resistance
- Excellent flex wear resistance
- Non-Torque construction

## Applications

- Floating tow lines
- Mooring and tie-up lines
- Mooring pick-up lines

	Dia		Cir	Weight		MBL	
	inch	mm		inch	2000/Lb	6000/Lb	ton
15/16	24	3	55	111	8.30	76.50	
1-1/32	26	3-1/4	64	129	9.20	90.30	
1-1/8	28	3-1/2	74	149	10.60	104.00	
1-3/16	30	3-3/4	86	173	12.00	117.80	
1-1/4	32	4	97	196	13.50	132.50	
1-11/32	34	4-1/4	110	222	15.10	148.20	
1-3/8	36	4-1/2	122	246	17.00	166.90	
1-1/2	38	4-3/4	135	272	19.00	186.50	
1-9/16	40	5	143	288	23.50	230.70	
1-11/16	42	5-1/4	161	325	26.00	255.30	
1-25/32	45	5-5/8	184	371	29.50	289.00	
1-7/8	48	6	208	419	33.00	324.00	
2	50	6-1/4	226	456	36.00	353.40	
2-1/16	52	6-1/2	244	492	39.00	373.10	
2-5/32	55	6-7/8	274	552	43.00	422.20	
2-3/8	60	7-1/2	326	657	51.00	500.00	
2-9/16	65	8-1/8	370	746	57.00	559.70	
2-3/4	70	8-3/4	442	867	68.00	667.70	
2-7/8	72	9	460	927	72.00	706.90	
2-31/32	75	9-3/8	508	1,024	79.00	775.70	
3-5/32	80	10	580	1,169	86.00	844.10	
3-3/8	85	10-5/8	655	1,320	96.00	942.30	
3-9/16	90	11-1/4	734	1,480	110.00	1,080.10	
3-3/4	95	11-7/8	817	1,647	123.00	1,207.70	
4	100	12-1/2	905	1,824	135.00	1,325.60	
4-3/32	105	13-1/8	998	2,012	150.00	1,472.90	
4-5/16	110	13-3/4	1,095	2,207	165.00	1,620.20	
4-9/16	115	14-3/8	1,197	2,413	180.00	1,767.40	
4-3/4	120	15	1,300	2,621	195.00	1,914.70	



# Mega MT

## Structure



8-STRAND CONSTRUCTION

## Fiber Content

⊙ PF Multifilament Fiber

## Characteristics

- Similar touch & appearance to nylon
- Good resistance to chemical
- Easy to handle
- Floats (Specific gravity : 0.91)

## Applications

- Mooring lines
- Floating tow lines
- Tie-up lines

inch	Dia	Cir inch	Weight			MBL
	mm		200m/kg	600ft/lb	ton	
1-1/8	28	3-1/2	75	150	10.00	
1-1/4	32	4	95	194	13.00	
1-7/16	36	4-1/2	124	249	16.00	
1-8/16	40	5	151	304	20.00	
1-3/4	44	5-1/2	185	374	24.00	
1-7/8	48	6	219	442	28.00	
2-1/16	52	6-1/2	256	517	33.00	
2-1/4	56	7	298	604	37.00	
2-3/8	60	7-1/2	343	691	43.00	
2-1/2	64	8	389	784	49.00	
2-7/8	72	9	492	991	61.00	
3-5/32	80	10	609	1,239	75.00	
3-1/16	88	11	736	1,494	90.00	
3-13/16	96	12	875	1,763	107.00	
4-1/8	104	13	1,029	2,075	122.00	
4-1/16	112	14	1,196	2,412	141.00	

• ± 5% tolerance according to ISO 2387



# MegaFlex

## Structure



8-STRAND CONSTRUCTION

## Fiber Content

- Polyester & High Tenacity Polypropylene Fiber Mix

## Characteristics

- High strength & Wear resistance
- Lower weight than polyester rope
- Low working elongation
- Superior flexibility
- Non-Torque construction

## Applications

- Mooring and Tie-up lines
- Mooring pendants
- Tug assist lines

Dia		Cir		Weight		MBL	
inch	mm	inch	200m/kg	600m/lb	ton	kN	
1-9/16	40	5	182	367	32.00	313.80	
1-3/4	44	5-1/2	218	440	38.00	372.70	
1-7/8	48	6	260	524	44.00	431.50	
2-1/16	52	6-1/2	298	601	52.00	509.90	
2-1/4	56	7	355	715	58.00	578.80	
2-3/8	60	7-1/2	400	806	67.00	657.80	
2-1/2	64	8	447	902	76.00	746.30	
2-7/8	72	9	567	1,144	96.00	931.80	
3-5/32	80	10	696	1,404	115.00	1,127.80	
3-7/16	88	11	826	1,686	140.00	1,372.90	
3-13/16	96	12	1,080	2,016	166.00	1,627.90	
4-1/8	104	13	1,172	2,362	191.00	1,873.10	
4-7/16	112	14	1,345	2,712	219.00	2,147.80	
4-3/4	120	15	1,548	3,121	252.00	2,471.30	

• ± 5% tolerance according to ISO 2387



# TeraFlex

## Structure



12-STRAND CONSTRUCTION

## Fiber Content

- Polyester & High Tenacity Polypropylene Fiber Blend

## Characteristics

- Excellent wear life
- High strength, Low stretch
- Non-Rotating and Easily spliced

## Applications

- Tug assist lines
- Mooring and pendant lines
- Barge tie-up lines

Dia		Cir		Weight		MBL	
inch	mm	inch		200m/kg	1000ft/lb	ton	kN
1-8/16	43	5		182	367	34.00	333.40
1-3/4	44	5-1/2		218	443	40.00	392.30
1-7/8	49	6		264	531	47.00	460.90
2-1/16	52	6-1/2		300	605	54.00	529.60
2-1/4	56	7		357	723	64.00	627.60
2-3/8	60	7-1/2		401	808	72.00	706.10
2-1/2	64	8		452	911	81.00	794.30
2-7/8	72	9		567	1,144	102.00	1,000.30
3-5/32	80	10		696	1,404	124.00	1,216.00
3-7/16	88	11		840	1,683	148.00	1,451.40
3-13/16	96	12		1,000	2,016	175.00	1,716.20
4-1/8	104	13		1,164	2,345	202.00	1,986.90
4-7/16	112	14		1,345	2,712	233.00	2,294.90
4-3/4	120	15		1,549	3,122	266.00	2,608.60

•  $\pm$  5% tolerance according to ISO 2307



# MegaFlex

## Structure



8-STRAND CONSTRUCTION

## Fiber Content

- Polyester & High Tenacity Polypropylene Fiber Mix

## Characteristics

- High strength & Wear resistance
- Lower weight than polyester rope
- Low working elongation
- Superior flexibility
- Non-Torque construction

## Applications

- Mooring and Tie-up lines
- Mooring pendants
- Tug assist lines

Dia		Cir		Weight		MBL	
inch	mm	inch	200m/kg	600m/lb	ton	kN	
1-8/16	40	5	182	367	32.00	313.80	
1-3/4	44	5-1/2	218	440	38.00	372.70	
1-7/8	48	6	260	524	44.00	431.50	
2-1/16	52	6-1/2	298	601	52.00	509.90	
2-1/4	56	7	355	715	58.00	578.60	
2-3/8	60	7-1/2	400	806	67.00	657.80	
2-1/2	64	8	447	902	76.00	746.30	
2-7/8	72	9	567	1,144	96.00	931.80	
3-5/32	80	10	696	1,404	115.00	1,127.80	
3-7/16	88	11	826	1,686	140.00	1,372.90	
3-13/16	96	12	1,080	2,016	166.00	1,627.90	
4-1/8	104	13	1,172	2,362	191.00	1,873.10	
4-7/16	112	14	1,345	2,712	219.00	2,147.80	
4-3/4	120	15	1,548	3,121	252.00	2,471.30	

• ± 5% tolerance according to ISO 2307



# Mega PS

## Structure



8-STRAND CONSTRUCTION

## Fiber Content

© Polyester Fiber

## Characteristics

- High strength and low stretch
- Excellent wear life
- Balanced, non-rotational construction
- Fast easy splicing

## Applications

- Mooring and Tie-up lines
- Mooring pendants
- For navy

	Dia		Cir	Weight		MBL	
	inch	mm		inch	200m/kg	6000/ft	ton
1-1/8	28	3-1/2	118	119	240	16.00	158.90
1-1/4	32	4	155	155	313	21.00	205.90
1-3/8	36	4-1/2	196	196	396	26.00	255.00
1-7/8	40	5	243	243	489	32.00	313.00
1-3/4	44	5-1/2	294	294	592	38.00	372.70
1-7/8	48	6	350	350	706	46.00	451.10
2-1/8	52	6-1/2	410	410	827	54.00	529.60
2-1/4	56	7	476	476	960	62.00	609.00
2-3/8	60	7-1/2	546	546	1,101	73.00	715.90
2-1/2	64	8	622	622	1,254	83.00	813.90
2-7/8	72	9	786	786	1,585	103.00	1,010.10
3-5/32	80	10	970	970	1,955	127.00	1,245.40
3-7/8	88	11	1,174	1,174	2,366	152.00	1,490.00
3-13/16	96	12	1,396	1,396	2,818	181.00	1,775.00
4-1/8	104	13	1,640	1,640	3,306	208.00	2,039.00
4-7/8	112	14	1,900	1,900	3,830	243.00	2,383.00

± 5% tolerance according to ISO 2307



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# Tera PS

## Structure



12-STRAND CONSTRUCTION

## Fiber Content

⊗ Polyester fiber

## Characteristics

- Low stretch
- Non-torquing Non-rotational
- Excellent abrasion resistance
- Fast, Easy splicing

## Applications

- Pulling lines
- Deep water mooring lines
- Specialty slings
- Tow lines

Dia		Cir		Weight		MBL	
inch	mm	inch	200m/kg	600m/lb	ton	kN	
1-9/16	40	5	243	489	34.00	333.40	
1-3/4	44	5-1/2	294	592	39.00	382.50	
1-7/8	48	6	350	706	47.00	460.90	
2-1/16	52	6-1/2	410	824	56.00	549.20	
2-1/4	56	7	476	960	64.00	627.60	
2-3/8	60	7-1/2	546	1,101	76.00	745.30	
2-1/2	64	8	622	1,254	84.00	823.60	
2-7/8	72	9	796	1,585	109.00	1,069.90	
3-5/32	80	10	970	1,965	133.00	1,304.30	
3-1/16	88	11	1,174	2,369	159.00	1,569.30	
3-13/16	96	12	1,395	2,818	191.00	1,873.10	
4-1/8	104	13	1,640	3,306	221.00	2,167.30	
4-1/16	112	14	1,900	3,830	256.00	2,519.30	
4-3/4	120	15	2,180	4,395	293.00	2,873.30	

• ± 3% tolerance according to ISO 2307





# Mega NY

## Structure



8-STRAND CONSTRUCTION

## Fiber Content

● Nylon Fiber

## Characteristics

- Well balanced construction
- High strength
- Excellent wear life
- Fast, easy splicing

## Applications

- Mooring lines
- Shock and tow lines
- Mooring pendants
- Anchor lines

Dia		Cir		Weight		MEL	
inch	mm	inch	200m/kg	600m/lb	ton	kN	
1-1/8	28	3-1/2	95.3	182	18.00	176.50	
1-1/4	32	4	123	248	23.00	225.60	
1-7/16	36	4-1/2	155	313	29.00	284.40	
1-8/16	40	5	181	385	35.00	343.20	
1-3/4	44	5-1/2	234	470	42.00	411.90	
1-7/8	48	6	277	558	48.00	475.60	
2-1/16	52	6-1/2	328	661	58.00	554.10	
2-1/4	56	7	380	766	64.00	627.80	
2-3/8	60	7-1/2	438	883	72.00	706.10	
2-1/2	64	8	498	1,002	82.00	806.10	
2-7/8	72	9	631	1,270	102.00	1,006.30	
3-5/32	80	10	777	1,586	125.00	1,225.90	
3-7/16	88	11	937	1,889	148.00	1,451.40	
3-13/16	96	12	1103	2,224	173.00	1,696.50	
4-1/8	104	13	1299	2,627	205.00	2,016.40	
4-7/16	112	14	1505	3,034	226.00	2,206.50	

• ± 5% tolerance according to ISO 2387



# Tera NY

## Structure



12-STRAND CONSTRUCTION

## Fiber Content

• Nylon Fiber

## Characteristics

- Excellent shock mitigation
- Superior strength
- Maintains high service life flexibility
- Non-Torsing
- Fast, Easy splicing

## Applications

- Anchor lines
- Deep water mooring lines
- Specialty slings
- Tow lines

Inch	Dia mm	Cir Inch	Weight		MSL	
			200m/kg	600ft/lb	ton	kN
1-9/16	40	5	198	430	37.00	362.80
1-3/4	44	5-1/2	240	494	44.00	431.50
1-7/8	48	6	284	572	50.00	490.30
2-1/16	52	6-1/2	332	669	59.00	579.60
2-1/4	56	7	400	808	71.00	696.30
2-3/8	60	7-1/2	445	898	79.00	774.70
2-1/2	64	8	504	1,015	90.00	882.60
2-7/8	72	9	608	1,230	115.00	1,127.80
3-5/32	80	10	690	1,413	138.00	1,350.30
3-1/16	80	11	954	1,922	160.00	1,569.10
3-13/16	96	12	1,136	2,290	191.00	1,873.10
4-1/8	104	13	1,332	2,685	212.00	2,079.00
4-1/16	112	14	1,544	3,112	230.00	2,255.50
4-3/4	120	15	1,773	3,574	270.00	2,647.80

• ± 5% tolerance according to ISO 2287



# Plusline PS

## Construction

- Polyester core & Polyester cover

## Characteristics

- Specific gravity : 1.38 (non floating)
- Melting point : 260°C
- Low stretch & high strength
- Excellent wet strength
- Wet strength equals dry strength
- Torque free
- Easily spliced
- Maintains excellent flexibility over service life

## Applications

- Towing
- Ship mooring & anchoring
- Deep water mooring

Dia		Cir	Weight		MEL	
inch	mm	inch	200m/kg	600ft/lb	ton	kN
1-8/16	43	5	255	515	34.4	337.5
1-3/4	44	5-1/2	310	625	41.8	482.2
1-7/8	48	6	360	744	46.2	453.2
2-1/16	52	6-1/2	444	895	56.6	545.4
2-1/4	56	7	515	1,038	64.2	629.8
2-3/8	60	7-1/2	588	1,186	73.8	716.1
2-1/2	64	8	669	1,351	82.2	806.4
2-11/16	68	8-1/2	796	1,605	97.3	954.5
2-7/8	72	9	880	1,800	107.2	1,051.8
3-5/32	80	10	1,116	2,250	129.0	1,265.5
3-7/16	88	11	1,309	2,700	154.1	1,511.7
3-13/16	96	12	1,562	3,150	176.1	1,747.1
4-1/8	104	13	1,829	3,698	202.8	1,989.5
4-5/16	112	13-3/4	2,095	4,123	220.1	2,158.2

• ± 5% tolerance according to ISO 2307



# Plusline NY

## Construction

- Nylon (Polyamide) core & Nylon (Polyamide) cover

## Characteristics

- Specific gravity : 1.14 (non floating)
- Melting point : 215°C
- High stretch & high strength
- Excellent shock absorption
- Torque free, will not kink or hook
- Easily spliced
- Maintains excellent flexibility over service life

## Applications

- Towing
- Ship mooring & anchoring
- Especially ideal for shock loading

	Dia		Cir	Weight		MSL	
	inch	mm		290m/Kg	6000/lb	ton	S/N
1-6/16	40		5	195	399	35.6	349.60
1-3/4	44		5-1/2	240	484	43.0	422.20
1-7/8	48		6	285	575	51.2	502.80
2	50		6-1/4	310	625	55.6	546.00
2-1/16	52		6-1/2	335	675	60.0	589.20
2-1/4	56		7	389	784	69.7	684.40
2-3/8	60		7-1/2	446	899	80.0	785.60
2-1/2	64		8	507	1,022	81.0	803.60
2-9/16	66		8-1/8	523	1,054	84.0	823.00
2-11/16	68		8-1/2	572	1,155	103.0	1011.40
2-3/4	70		8-3/4	607	1,224	109.0	1079.20
2-7/8	72		9	642	1,294	115.0	1129.20
2-31/32	75		9-2/8	697	1,405	125.0	1227.40
3-5/32	80		10	793	1,589	142.0	1394.40
3-7/16	88		11	959	1,933	172.0	1688.90
3-13/16	96		12	1,142	2,302	205.0	2013.00
4-1/8	104		13	1,340	2,701	243.0	2396.70

• ± 5% tolerance according to ISO 2307



# Megalon

inch	Die	Cir inch	Weight		MBL	
	mm		200m/kg	6000/lb	ton	kN
1-8/16	40	5	210	473	37.00	363.30
1-3/4	44	5-1/2	250	504	46.00	451.00
1-7/8	48	6	295	596	53.00	520.40
2-1/16	52	6-1/2	327	660	60.00	589.10
2-1/4	56	7	400	806	69.50	682.40
2-3/8	60	7-1/2	432	879	76.00	746.20
2-1/2	64	8	490	988	87.00	854.20
2-11/16	68	8-1/2	560	1,129	99.00	972.10
2-3/4	70	8-3/4	620	1,250	108.00	1,060.50
2-7/8	72	9	696	1,392	114.00	1,122.00
3-1/13	78	9-3/4	727	1,466	126.00	1,237.20
3-5/16	84	10-1/2	890	1,713	147.00	1,443.40
3-9/16	90	11-1/4	1,009	2,034	173.00	1,696.70
3-13/16	96	12	1,170	2,358	200.00	1,963.00

• ± 5% tolerance according to ISO 2307 • 4 Strand available on request



# Megalon

## Structure



6-STRAND CONSTRUCTION

## Fiber Content

- High Performance Nylon monofilament
- High Performance Nylon multifilament

## Characteristics

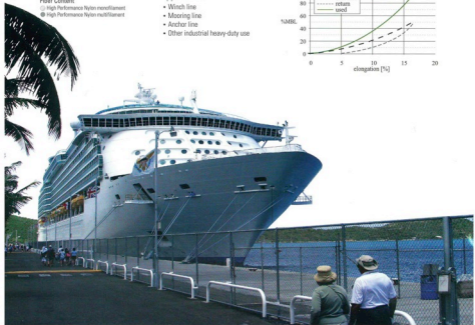
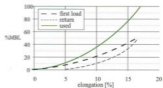
- Easy to run on mooring winch
- Excellent durability
- Very high transversal strength
- Excellent abrasion resistance
- Excellent UV resistance
- Usable in low temperature
- Good chemical resistance

## Applications

- Winch line
- Mooring line
- Anchor line
- Other industrial heavy-duty use

Item	Transversal Strength
Polyester	13.00 kg/tmm <sup>2</sup>
Nylon	34.50 kg/tmm <sup>2</sup>
Polypropylene	20.40 kg/tmm <sup>2</sup>
Megalon	41.70 kg/tmm <sup>2</sup>

Condition: the various ropes have same breaking force (at about 41,000 kg)



# Tera PP

## Structure



12-STRAND CONSTRUCTION

### Fiber Content

High Tenacity Polypropylene Fiber

## Characteristics

- High strength floating rope
- Excellent resistance to ultraviolet light
- Flexible Non-rotating rope
- Superior wear life

## Applications

- Mooring lines
- Floating tow lines
- Tie-Up lines

Dia		Str	Weight		MBL	
inch	mm		inch	200m/kg	ton	kN
1-8/16	40	5	158	319	30.00	294.20
1-3/4	44	5-1/2	195	392	36.00	353.00
1-7/8	48	6	229	462	43.00	421.70
2-1/16	52	6-1/2	268	541	48.50	475.60
2-1/4	56	7	312	629	56.50	544.30
2-3/8	60	7-1/2	359	724	65.00	637.40
2-1/2	64	8	407	821	72.00	706.10
2-7/8	72	9	515	1,039	91.00	892.40
3-5/32	80	10	638	1,285	111.00	1,089.50
3-1/16	88	11	772	1,566	135.00	1,323.90
3-13/16	96	12	916	1,847	158.00	1,549.50
4-1/8	104	13	1071	2,158	185.00	1,814.20
4-1/16	112	14	1254	2,510	214.00	2,099.80
4-3/4	120	15	1438	2,882	245.00	2,402.80

• ± 5% tolerance according to ISO 2387



# Mega PP

## Structure



8-STRAND CONSTRUCTION

## Fiber Content

High Tenacity Polypropylene Fiber

## Characteristics

- Higher strength than polypropylene
- Floats
- Superior ultraviolet resistance
- Excellent flex wear resistance
- Non-Torque construction

## Applications

- Floating tow lines
- Mooring and tie-up lines
- Mooring pick-up lines

Inch	Dia mm	Cir Inch	Weight		MBL	
			200m/kg	600ft/lb	ton	kN
1-1/8	28	3-1/2	78	168	16.20	149.23
1-1/4	32	4	101	204	19.50	181.43
1-3/16	36	4-1/2	128	258	25.00	245.40
1-9/16	40	5	158	319	30.00	294.23
1-3/4	44	5-1/2	195	392	36.00	353.00
1-7/8	48	6	229	462	43.00	421.70
2-1/16	52	6-1/2	268	541	49.50	475.60
2-1/4	56	7	312	629	55.50	544.30
2-3/8	60	7-1/2	359	724	65.00	637.40
2-1/2	64	8	407	821	72.00	706.10
2-7/8	72	9	515	1,039	91.00	862.43
3-5/32	80	10	638	1,296	111.00	1,088.50
3-1/16	88	11	772	1,556	135.00	1,323.90
3-13/16	96	12	916	1,847	158.00	1,549.50
4-1/8	104	13	1,071	2,158	185.00	1,814.20
4-1/16	112	14	1,245	2,510	214.00	2,098.60

• ± 5% tolerance according to ISO 2107





# TeraMaxPlus

## Structure



32-STRAND POLYESTER COVER OUTSIDE  
& 12-STRAND UHMWPE ROPE INSIDE

### Fiber Content

- UHMWPE
- Polyester Cover

## Characteristics

- 12-Strand braided rope made of UHMWPE inside & high Performance polyester yarns outside
- Extremely high strength & Low stretch
- Strongest than wire rope
- Excellent resistance to UV (Ultra Violet) and chemicals
- No difference in tensile strength wet or dry
- Specific gravity : 1.01-1.09 (Floating type available)
- Kink/Torque free
- Easy to handle
- Superior abrasion resistance
- Melting point : 265°C / 150°C
- Elongation at break : 5%

## Applications

- Mooring lines
- Face & Wing wires
- Tug assist lines
- Winch lines
- Pulling lines
- Specialty rigging lines
- Wire rope replacement

Dia	Cir		Weight		MBL	
	inch	mm	inch	100m/kg	1000/lb	ton
1-1/8	29	3-1/2	50.0	33.00	60.0	618.6
1-1/4	32	4	64.0	43.01	74.0	736.6
1-3/16	36	4-1/2	78.0	53.02	83.0	913.2
1-9/16	40	5	94.0	63.73	114.0	1,092
1-3/4	44	5-1/2	111.0	74.60	135.0	1,326
1-7/8	48	6	137.0	92.06	165.0	1,620
2-1/16	52	6-1/2	166.0	107.50	195.0	1,915
2-1/4	56	7	193.0	123.00	230.0	2,258
2-3/8	60	7-1/2	235.0	137.90	263.0	2,560
2-1/2	64	8	236.0	158.60	308.0	3,034
2-7/8	72	9	295.0	198.20	380.0	3,731
3-5/32	80	10	358.0	241.20	458.0	4,457
3-1/16	88	11	421.0	262.90	540.0	5,303
3-13/16	96	12	511.0	343.40	626.0	6,147

± 5% tolerance according to ISO 2287



# TeraMax

## Structure



12-STRAND CONSTRUCTION

## Fiber Content

UHMWPE

## Characteristics

- 12-Strand braided rope made of UHMWPE (Ultra High Molecular Weight Polyethylene) Yarns with special coating
- Strongest fiber rope in the world
- Highest tensile strength to weight ratio
- Light weight (1/7 of wire rope weight), stronger than wire rope
- Excellent resistance to UV (Ultra Violet) and chemicals
- No difference in tensile strength wet or dry
- Specific gravity : 0.97 (Floating)
- Easy to splice & handle
- Superior wear life
- Kink/Torque free
- Superior abrasion resistance
- Melting point : 150°C
- Elongation at break : 4%
- Workable below -20°C

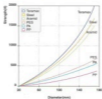
## Applications

- Mooring lines
- Tug assist lines
- Face & Wing wires
- Seismic tow lines
- Winch lines
- Pulling lines
- Specialty rigging lines
- Wire rope replacement

Dia		Cir		Weight		MSL	
inch	mm	inch	100m/kg	1000/ft	ton	1/N	
1-1/8	28	3-1/2	45.5	31.25	74.0	725.9	
1-1/4	32	4	57.0	39.30	88.5	866.2	
1-7/8	36	4-1/2	68.0	45.69	104.0	1,020.2	
1-9/16	40	5	84.0	56.45	127.0	1,245.8	
1-3/4	44	5-1/2	102.0	68.54	152.0	1,491.1	
1-7/8	48	6	121.8	81.31	179.0	1,756.9	
2-1/8	52	6-1/2	141.8	94.75	208.0	2,020.8	
2-1/4	56	7	163.0	109.53	236.0	2,315.1	
2-3/8	60	7-1/2	175.8	117.58	252.0	2,472.0	
2-1/2	64	8	200.0	134.39	282.0	2,766.3	
2-7/8	72	9	254.0	170.66	348.0	3,413.8	
3-5/32	80	10	313.0	210.32	422.0	4,139.7	
3-7/8	88	11	379.0	254.74	503.0	4,934.3	
3-13/16	96	12	451.0	302.05	588.0	5,768.1	

• @ 5% tolerance according to ISO 2387

## Diameter : Strength



## Weight : Strength



# TeraCore

## Structure



12-STRAND CONSTRUCTION

## Fiber Content

- High Tenacity TeraCore Yarn
- Polyester Fiber Mix

## Characteristics

- Material : High tenacity TeraCore yarn & High tenacity Polyester/Polyolefin, Polyester, and additives.)
- Construction : 12 strands braided
- Color of Rope : White color 1 red 1 blue tracer
- Gravity : < 1.0 (floating type)
- Melting Point : 165°C/ 260°C

## Applications

- Mooring and Tie-up line
- Mooring pendants
- Tug assist line

## Value Proposition

1. Higher strength at much lighter weight
2. The weight for a given strength is even lighter than any other conventional fiber ropes
3. Wet and dry strength are equal
4. The fatigue life is comparable to pure polyester.
5. Excellent in chemical resistance and rot/mildew resistance
6. Superior in abrasion resistance to Megacore
7. Good UV resistance
8. Superior Flexibility



# TeraCore

Dia		Cir		Weight		MSL	
inch	mm	inch		200m/kg	220m/kg	ton	MW
1-0/16	40	5		170	187	35	344
1-3/16	44	5 1/2		203	223	42	412
1-25/32	45	5 5/8		211	232	44	432
1-7/8	48	6		233	263	50	491
2	50	6 1/4		258	284	53	525
2-1/16	52	6 1/2		277	305	58	570
2-5/32	55	6 7/8		303	340	65	639
2 1/4	56	7		319	351	67	658
2-3/8	60	7 1/2		358	393	75	746
2-1/2	64	8		417	458	88	864
2-9/16	65	8 1/8		428	471	89	874
2-11/16	68	8 1/2		466	513	97	952
2-3/4	70	8 3/4		492	541	103	1,011
2-7/8	72	9		519	571	110	1,080
2-31/32	75	9 3/8		561	617	118	1,159
3-5/32	80	10		630	693	131	1,286
3-3/8	85	10 5/8		708	779	146	1,434
3-7/8	88	11		756	832	152	1,542
3-9/16	90	11 1/4		788	867	164	1,619
3-3/4	95	11 7/8		885	974	184	1,807
3-13/16	96	12		901	991	187	1,839
4	100	12 1/2		981	1,079	204	2,003
4-1/8	104	13		1,062	1,168	220	2,160
4-3/32	105	13 1/8		1,078	1,188	224	2,200
4-5/16	110	13 3/4		1,174	1,291	244	2,396



# MegaCore

## Structure



8-STRAND CONSTRUCTION

### Fiber Content

- High Tenacity MegaCore Yarn
- Polyester Fiber Mix

## Characteristics

- Material : High tenacity MegaCore yarn & High tenacity Polyester(Polyolefin, Polyester, and additives.)
- Construction : 8 strand plied
- Color of Rope : White color 1 red 1 blue tracer
- Gravity : < 1.0 (floating type)
- Melting Point : 165°C/ 260°C

## Applications

- Mooring and Tie-up line
- Mooring pendants
- Tug assist line

## Value Proposition

1. The highest strength at much lighter weight
2. The weight for given strength is even lighter than any other fiber ropes
3. Wet and dry strength are equal
4. The fatigue life is comparable to pure polyester
5. Excellent in chemical resistance and rot/mildew resistance
6. Good abrasion resistance and good UV resistance
7. Superior Flexibility



# MegaCore

Dia	Cir		Weight		Breaking Load (kgf)	Breaking Load (kN)
	inch	mm	200m/kg	220m/kg		
1-9/16	40	5	167	184	36,700	380
1-3/4	44	5 1/2	198	218	44,000	431
1-25/32	45	5 5/8	208	229	46,000	451
1-7/8	48	6	236	260	50,500	495
2	50	6 1/4	255	281	54,500	534
2-1/16	52	6 1/2	272	300	58,000	570
2-5/32	55	6 7/8	305	336	66,000	647
2-1/4	58	7	316	348	67,700	664
2-3/8	60	7 1/2	358	394	77,500	760
2-1/2	64	8	405	446	87,000	853
2-9/16	65	8 1/8	417	459	89,700	880
2-11/16	68	8 1/2	458	502	98,100	961
2-3/4	70	8 3/4	483	530	103,000	1,015
2-7/8	72	9	510	561	109,000	1,080
2-31/32	75	9 3/8	562	607	118,000	1,157
3-5/32	80	10	625	688	132,000	1,294
3-3/8	85	10 5/8	705	776	146,000	1,431
3-1/16	88	11	752	827	156,700	1,536
3-9/16	90	11 1/4	788	865	183,500	1,802
3-3/4	95	11 7/8	876	964	194,500	1,899
3-13/16	96	12	894	983	191,000	1,872
4	100	12 1/2	967	1,064	202,000	1,980
4-1/8	104	13	1,045	1,130	218,000	2,136
4-3/25	105	13 1/8	1,085	1,172	222,200	2,176
4-5/16	110	13 3/4	1,188	1,284	243,300	2,384
4-9/16	115	14 3/8	1,276	1,404	265,000	2,587



# Protector

Rope will be easily damaged if exposed to rough surfaces or sharp edges.  
Rope Protector is a good solution to chafe protection.



## Polytector

Made from polyester texture,  
crack when bunched or compressed.

polytector has cut resistance and doesn't easily split or

Rope Size (Dia) mm	For Eye		For Line	
	Width (mm)	Length (mm)	Width	Length (mm)
40-65	300	1500-2000	300	3000-6000
70-100	410		410	

## Spectector

Made from UHMWPE material,

spectector has cut resistance and doesn't easily split  
or crack when bunched or compressed. It's the strongest rope protector in the world.

Rope Size (Dia) mm	For Eye		For Line	
	Width (mm)	Length (mm)	Width	Length (mm)
40-65	300	1500-2000	300	3000-6000
70-100	410		410	

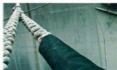


# Mooring Tails

Made of various materials, especially Nylon, Polyester, UHMWPE yarns which have more elasticity than other normal materials.

Tails can maintain a ship to respond more favorably under various working conditions.

Material	Construction	Dia	MBL	Type
		mm	ton	
Nylon	8-Strand	80 Up	94 Up	Eye to Eye
	12-Strand			
Polyester	8-Strand		55 Up	Endless
	12-Strand			
TeraMax	12-Strand			



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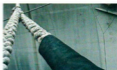


# Mooring Tails

Made of various materials, especially Nylon, Polyester, UHMWPE yarns which have more elasticity than other normal materials.

Tails can maintain a ship to respond more favorably under various working conditions.

Material	Construction	Dia	MBL	Type
		mm	ton	
Nylon	8-Strand	80 Up	84 Up	Eye to Eye
	12-Strand			
Polyester	8-Strand		55 Up	Endless
	12-Strand			
TeraMax	12-Strand			

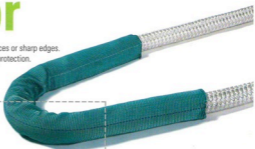


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# Protector

Rope will be easily damaged if exposed to rough surfaces or sharp edges.  
Rope Protector is a good solution to chafe protection.



## Polytector

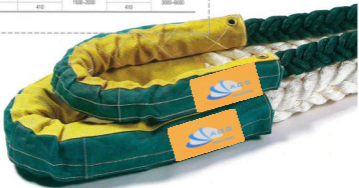
Made from polyester texture, polytector has cut resistance and doesn't easily split or crack when bunched or compressed.

Rope Size (Dia) mm	For Eye		For Line	
	Width (mm)	Length (mm)	Width	Length (mm)
40-65	300	1500-2000	300	3000-6000
70-130	410		410	

## Spectector

Made from UHMWPE material, spectector has cut resistance and doesn't easily split or crack when bunched or compressed. It's the strongest rope protector in the world.

Rope Size (Dia) mm	For Eye		For Line	
	Width (mm)	Length (mm)	Width	Length (mm)
40-65	300	1500-2000	300	3000-6000
70-130	410		410	



# Mooring Tails

Made of various materials, especially Nylon, Polyester, UHMWPE yarns which have more elasticity than other normal materials.

Tails can maintain a ship to respond more favorably under various working conditions.

Material	Construction	Dia		MBL	Type
		mm			
Nylon	8-Strand	80 Up	94 Up	Eye to Eye	
	12-Strand				
Polyester	8-Strand		55 Up	Endless	
	12-Strand				
TeraMax	12-Strand				



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# Compound Rope

## Structure



## Fiber Content

○ Wire Strand

## Characteristics

- Good anti-corrosion
- Easier to set up
- Easy Handling

## Applications

- Trawl
- Tie-up lines
- Other industries



Size		Korlon	PP
Wire Strand Dia	Rope Dia	Wire Strand 1×24	
mm	mm	kg/200m	kg/200m
2.00	16	52	47
2.67	18	73	68
3.33	20	100	92
4.00	22	138	124
4.67	24	178	164
5.33	26	225	210
6.00	28	275	261
6.67	30	330	317
7.33	32	390	375
8.00	34	457	438
8.67	36	480	445
8.67	36	530	511
8.67	38	500	450
8.67	38	550	518
8.67	40	573	480
8.67	40	579	528
8.67	42	543	470
8.67	42	590	536
8.67	45	563	485
8.67	45	610	552
8.67	50	583	505
8.67	50	630	580

Size		PP	PP
Wire Strand Dia	Rope Dia	Wire Strand 1×12	Wire Strand 1×24
mm	mm	kg/500m	kg/500m
3.00	22	199	223
3.33	22	221	251
4.00	22	273	315
4.67	22	333	381
5.33	22	404	479
3.33	24	241	271
4.00	24	283	335
4.67	24	353	411
5.33	24	424	489
4.00	26	354	396
4.67	26	374	432
5.33	26	445	521
4.00	28	337	379
4.67	28	487	455
5.33	28	488	543
6.00	28	544	641
6.67	28	631	751
4.00	30	381	403
4.67	30	421	479
5.33	30	482	568
6.00	30	588	666
6.67	30	655	775

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# Standard

## for 3 S/T Synthetic Fiber Rope



Size		Polypropylene				Polyethylene				Nylon				Polyester				Kevlar				Mestis				Loaded Rope	
Dia	Dia	Cir	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	Weight	MBL	
mm	inch	inch	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	kg/200m	ton	
4	5/32	1/2	1.5	270g	1.8	200kg	1.85	200kg	2.4	260kg	2	190	2.3	190kg													
5	3/16	5/8	2.3	300	2.5	300	3	300	3.8	400	3	220	2.5	240													
6	1/4	3/4	3.5	380	3.8	400	4.5	450	5.5	580	4.5	380	5	285													
7	5/32	7/8	4.8	500	5.8	550	6.5	600	7.5	770	6.5	400	7	370													
8	5/16	1	6.2	660	6.4	700	7.8	800	9.8	1000	7.8	500	8.5	540	9.5	540	9.5	540	9.5	540	9.5	540	9.5	540	9.5	470	
9	3/8	1.1/8	7.8	800	8.2	880	9.8	1000	12.3	1270	10	700	10.1	800	12.0	800	12.0	800	12.0	800	12.0	800	12.0	800	12.0	800	
10	1/2	1.1/4	8.8	960	10	1080	12.1	1080	15.2	1580	12	800	12.8	925	15.0	925	15.0	925	15.0	925	15.0	925	15.0	925	15.0	700	
12	15/32	1.1/2	13.8	2210	14.8	1540	17.8	3000	22	2370	17.8	1100	19	1070	19	1070	21.0	1070	21.0	1070	21.0	1070	21.0	1070	21.0	1070	
14	9/16	1.3/4	18.8	2050	19	2280	23.8	4100	29.8	3180	24	1300	26.3	1480	28.5	1340	28.5	1340	28.5	1340	28.5	1340	28.5	1340	28.5	1340	
16	5/8	2	24.2	3700	25	2480	30.8	5370	38	4170	31	2140	33.8	2300	37.5	2300	37.5	2300	37.5	2300	37.5	2300	37.5	2300	37.5	1720	
18	23/32	2.1/4	30.8	430	32	35	38.7	87	81	70	5	75	4.57	80.5	3.88	71.0	3.17										
20	13/16	2.1/2	38	5.8	40	4.3	48	8.3	81	8.4	48	3.58	53	3.25	58.0	2.87											
22	7/8	2.3/4	48	6.98	47	5.1	57.9	10	74	7.8	58	4.24	63.8	3.88	71.0	3.17											
24	15/16	3	54.7	8.10	57	6.1	68.5	12	87	8.1	70	5	75	4.57	80.5	3.88											
26	1.1/32	3.1/4	63.8	8.41	67	7	81.3	14	102	10.7	82	5.8	84	5.33	88.0	4.24											
28	1.1/8	3.1/2	73.8	10.7	78	8.2	95.3	16.8	118	12.2	85	6.84	108	6.1	115.0	4.87											
30	1.3/16	3.3/4	85.2	12.22	88	8.5	108	17.8	138	12.7	108	7.8	125	6.8	127.8	5.84											
32	1.1/4	4	96.7	13.5	102	10.7	123	20	155	15.7	124	9.51	140	7.8	142.5	6.20											
34	1.11/32	4.1/4	110	14.4	115	11.8	138	22	175	17.4	140	9.53	160	8.8	160.0	7.88											
36	1.7/16	4.1/2	122	16.83	130	13.4	155	24.8	198	18.4	157	10.8	178	8.85	172.8	7.88											
38	1.1/2	4.3/4	138	17.7	145	14.3	174	27.4	221	21.8	175	11.7	198	10.8	202.0	8.85											
40	1.9/16	5	152	20.57	161	16.3	191	30	243	24	194	12.8	220	12	225.8	9.78											
42	1.11/16	5.1/4	167	21.4	178	17.2	213	32.8	288	26.1	213	14.1	240	13.1	248.0	10.78											
44	1.3/4	5.1/2	183	24.84	195	19.8	234	35.8	324	28.5	234	15.3	270	14.8	273.0	12.88											
46	1.13/16	5.3/4	200	25.3	210	20.8	258	38.8	351	30.8	258	16.7	288.0	15.32													
48	1.7/8	6	218	28.81	222	22.8	277	42	388	33.8	278	18	352.0	16.32													
50	2	6.1/4	238	29.3	251	24.3	302	46.8	388	38.3	302	19.5	388.0	18.32													
52	2.1/16	6.1/2	258	33.11	278	26.4	338	48.8	418	38.2	332	21.1															
54	2.5/32	6.3/4	278	33.7	301	28.2	354	52.4	442	41.8																	
56	2.1/4	7	297	37.88	324	30.4	381	56	475	44.8																	
58	2.5/16	7.1/4	318	38.6	348	32.2	408	58.8	518	47.2																	
60	2.8/8	7.1/2	340	43.29	362	34.4	438	63.8	548	49.8																	
64	2.1/2	8	387	48.88	412	38.1	488	72	621	58																	
72	2.7/8	9	486	61.5	522	48.1	638	98	788	72.1																	
80	3.5/32	10	584	75.84	648	60.4	777	118	978	88.5																	
88	3.7/16	11	718	80.77	782	72.8	940	131	1174	108																	
96	3.13/16	12	858	87	881	85.5	1118	154	1387	128																	
104	4.1/8	13	1005	122.8	1083	100.3	1313	182	1640	146																	
112	4.7/16	14	1188	141.84	1288	118.3	1523	218	1882	185																	
120	4.3/4	15	1338	162.88	1488	138.5	1748	248	2184	198																	

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