

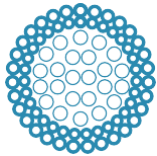


DEFENCE



Compos DB

Double braided rope made of high tenacity Polyester. It is constructed with a braided core, which supports most of the resistance, and a braided cover, in 16 strands which ensures protection and enhances resistance. Through this construction, we ensure longer fatigue life and greater resistance to friction, while maintaining its floating properties.



Double Braid



Advantages

- Excellent energy absorption
- Good abrasion and wear resistance even in wet conditions
- Excellent UV resistance
- High flexibility, non-kinking and non-rotating

Applications

Mooring

Towing

Anchorage

Diameter		Size Circ.	Weight			Breaking Load		
mm	Inches	Inches	Ktex	Kg/100m	lbs/100ft	kgf	lbf	kN
22	7/8	2 3/4	249	24,9	16,7	9.804	21.614	96
24	1	3	296	29,6	19,9	11.573	25.514	114
26	1 1/32	3 1/4	348	34,8	23,4	13.482	29.722	132
28	1 1/8	3 1/2	403	40,3	27,1	15.528	34.233	152
30	1 1/4	3 3/4	463	46,3	31,1	17.711	39.046	174
32	1 5/16	4	527	52,7	35,4	20.031	44.160	196
34	1 1/3	4 1/4	595	59,5	40	22.486	49.573	221
36	1 1/2	4 1/2	667	66,7	44,8	25.075	55.280	246
38	1 4/7	4 3/4	743	74,3	49,9	27.798	61.283	273
40	1 5/8	5	823	82,3	55,3	30.655	67.582	301
42	1 5/7	5 1/4	908	90,8	61	33.644	74.172	330
44	1 3/4	5 1/2	996	99,6	66,9	36.765	81.052	361
46	1 3/4	5 3/4	1.089	108,9	73,2	40.017	88.221	392
48	2	6	1.185	118,5	79,6	43.400	95.680	426
50	1 31/32	6 1/4	1.286	128,6	86,4	46.913	103.424	460
52	2 1/8	6 1/2	1.391	139,1	93,5	50.556	111.456	496
54	2 1/8	6 3/4	1.500	150	100,8	54.329	119.774	533
56	2 1/4	7	1.614	161,4	108,5	58.230	128.374	571
60	2 1/2	7 1/2	1.852	185,2	124,5	66.418	146.425	651
64	2 5/8	8	2.107	210,7	141,6	75.116	165.601	737
68	2 3/4	8 1/2	2.379	237,9	159,9	84.322	185.896	827
72	2 7/8	9	2.667	266,7	179,3	94.032	207.303	922
76	3	9 1/2	2.972	297,2	199,8	104.244	229.816	1.022
80	3 1/4	10	3.293	329,3	221,3	114.956	253.432	1.127

More diameters available by demand.

- ✓ Raw Material: Polyester / Polypropylene Multifilament (HT)
- ✓ Specific Gravity: 0,98 (floats)
- ✓ Melting Point: 150°C / 265°C

- ✓ Elongation at % of BS:
25% 6,7%
50% 11,4%

D-Tech

Made from HMWPE fibers and protected by a self-unique impregnation that improves its abrasion resistance, Cotesi D-Tech ropes must be considered when high breaking strengths are required. Using a torque-free 12 strands braided construction, D-Tech is stronger than steel wire of the same weight and has proven to be a cost-saving replacement for wire rope in several applications, such as mooring, towing or lifting.



12 Strands

Advantages

- 1/7 of the steel wire weight
- Longer life time compared to steel wire
- Low operational costs
- Low elongation
- Flexible, non-kinking and non-rotating
- Easy and safer handling
- Easy to splice

Applications

Mooring Lines

Anchor Lines

Winch Lines

Towing and Tug ropes

Diameter		Size Circ.	Weight			Breaking Load		
mm	Inches	Inches	Ktex	Kg/100m	lbs/100ft	kgf	lbf	kN
6	1/4	3/4	23	2,3	1,5	4.079	8.992	40
8	1/3	1	40	4	2,7	7.036	15.512	69
10	3/8	1 1/8	61	6,1	4,1	10.707	23.605	105
12	1/2	1 1/2	87	8,7	5,8	15.296	33.721	150
14	4/7	1 ¾	117	11,7	7,9	20.394	44.961	200
16	5/8	2	152	15,2	10,2	26.003	57.326	255
18	3/4	2 1/4	190	19	12,8	32.121	70.814	315
20	13/16	2 1/2	233	23,3	15,7	38.749	85.426	380
22	7/8	2 3/4	280	28	18,8	45.887	101.163	450
24	1	3	331	33,1	22,2	53.025	116.899	520
26	1 1/32	3 1/4	386	38,6	25,9	61.183	134.884	600
28	1 1/8	3 1/2	445	44,5	29,9	69.851	153.992	685
30	1 1/4	3 3/4	508	50,8	34,1	79.028	174.225	775
32	1 5/16	4	575	57,5	38,6	88.206	194.457	865
34	1 11/32	4 1/4	646	64,6	43,4	98.403	216.938	965
36	1 1/2	4 1/2	722	72,2	48,5	109.110	240.542	1.070
38	1 9/16	4 3/4	801	80,1	53,6	119.817	264.147	1.175
40	1 5/8	5	884	88,4	59,4	131.034	288.876	1.285
44	1 3/4	5 1/2	1.062	106,2	71,4	155.507	342.829	1.525
48	2	6	1.255	125,5	84,3	181.000	300.031	1.775
52	2 1/8	6 1/2	1.464	146,4	98,4	208.533	459.728	2.045
56	2 1/4	7	1.688	168,8	113,4	237.595	523.798	2.330
60	2 1/2	7 1/2	1.928	192,8	129,6	268.696	592.364	2.635
64	2 5/8	8	2.183	218,3	146,7	300.817	663.178	2.950
68	2 3/4	8 1/2	2.453	245,3	164,8	334.978	738.488	3.285
72	2 7/8	9	2.738	273,8	184	370.668	817.170	3.635

More diameters available by demand.

In accordance to ISO 10325:2018.
Breaking load values stated shall be reduced by 10% in the case of a rope with eye-spliced terminations.

- ✓ Raw Material: HMWPE

✓ Specific Gravity: 0,98

✓ Melting Point: 150°C
- ✓ Elongation at % of BS:

25% 0,9%

50% 1,6%

Berthing Rope

A 12 strands round plait line that combines the high tenacity, abrasion and wear resistance of polyester with Spun PP. This is a very special blend which, along with its unique construction that perfectly combines these two fibers, it gives this rope a superb handling and touch, highly appreciated by national marine defence fleets.



12 Strands

Advantages

- Superb handling and touch
- Good abrasion and wear resistance
- Low water absorption
- Flexible, non-kinking and non-rotating

Applications

Mooring lines

Anchor lines

Diameter		Size Circ.	Weight			Breaking Load		
mm	Inches	Inches	Ktex	Kg/100m	lbs/100ft	kgf	lbf	kN
24	1	3	340	34,0	22,8	9.920	21.869	97
26	1 1/32	3 1/4	405	40,5	27,2	11.610	25.595	114
28	1 1/8	3 1/2	470	47,0	31,6	13.300	29.321	130
30	1 1/4	3 3/4	540	54,0	36,3	15.205	33.521	149
32	1 5/16	4	610	61,0	41,0	17.110	37.720	168
34	1 11/32	4 1/4	685	68,5	46,0	19.075	42.052	187
36	1 1/2	4 1/2	760	76,0	51,1	21.040	46.384	206
38	1 9/16	4 3/4	855	85,5	57,5	23.720	52.293	233
40	1 5/8	5	950	95,0	63,8	26.400	58.201	259
44	1 3/4	5 1/2	1.150	115,0	77,3	30.960	68.254	304
48	2	6	1.360	136,0	91,4	36.500	80.467	358
52	2 1/8	6 1/2	1.600	160,0	107,5	42.620	93.959	418
56	2 1/4	7	1.850	185,0	124,3	48.720	107.407	478
60	2 1/2	7 1/2	2.120	212,0	142,5	54.280	119.665	532
64	2 5/8	8	2.420	242,0	162,6	63.110	139.131	619
68	2 3/4	8 1/2	2.740	274,0	184,1	70.850	156.195	695
72	2 7/8	9	3.060	306,0	205,6	78.590	173.258	771

More diameters available by demand.

The technical characteristics stated are the result of a Cotesi development and are strictly indicative. We reserve the right to change them without prior notice. Tolerance in weights: ± 5%. Indicated breaking loads do not include any reduction in case of a rope with eye-spliced terminations. Produced and tested in accordance to the latest ISO standards.

- ✓ Raw Material: Spun Polypropylene / Polyester (HT)

✓ Specific Gravity: 1,16

✓ Melting Point: 165°C / 265°C
- ✓ Elongation at % of BS:

25% 3,5%

50% 7,9%

D-Tech

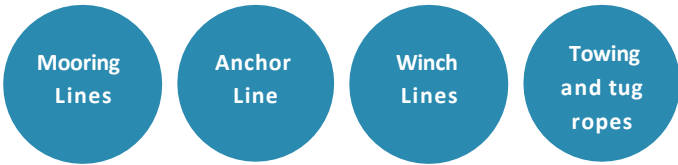
Made from HMWPE fibers and protected by a self-unique impregnation that improves its abrasion resistance, Cotesi D-Tech ropes must be considered when high breaking strengths are required. Stronger than steel wire of the same weight, it has proven to be a cost-saving replacement for wire rope in several applications. Its 8 strands plaited construction is smooth and non-rotational.



Advantages

- 1/7 of the steel wire weight
- Longer life time compared to steel wire
- Low operational costs
- Low elongation
- Non-kinking and non-rotating
- Easy and safer handling
- Very easy to splice

Applications



Diameter		Size Circ.	Weight			Breaking Load		
mm	Inches	Inches	Ktex	Kg/100m	lbs/100ft	kgf	lbf	kN
24	1	3	331	33,1	22,2	53.025	116.899	520
26	1 1/32	3 1/4	386	38,6	25,9	61.183	134.884	600
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38	1 9/16	4 3/4	801	80,1	53,8	119.817	264.147	1.175
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48	2	6	1.255	125,5	84,3	181.000	399.031	1.775
52	2 1/8	6 1/2	1.464	146,4	98,4	208.533	459.728	2.045
56	2 1/4	7	1.688	168,8	113,4	237.595	523.798	2.330
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64	2 5/8	8	2.183	218,3	146,7	300.817	663.178	2.950
68	2 3/4	8 1/2	2.453	245,3	164,8	334.978	738.488	3.285
72	2 7/8	9	2.738	273,8	184	370.668	817.170	3.635
76	3	9 3/8	3.038	303,8	204,1	407.888	899.224	4.000
80	3 1/4	10	3.353	335,3	225,3	446.128	983.526	4.375
88	3 5/8	11	4.028	402,8	270,7	528.215	1.164.495	5.180
96	4	12	4.762	476,2	320	615.911	1.357.828	6.040
104	4 1/4	13	5.555	555,5	373,3	709.725	1.564.650	6.960
112	4 5/8	14	6.406	640,6	430,5	809.148	1.783.836	7.935
120	5	15	7.316	731,6	491,6	913.669	2.014.262	8.960
128	5 1/4	16	8.233	823,3	553,2	1.024.309	2.258.176	10.045
136	5 1/2	17	9.308	930,8	625,5	1.140.047	2.513.331	11.180

More diameters available by demand.

In accordance to ISO 10325:2018.

Breaking load values stated shall be reduced by 10% in the case of a rope with eye-spliced terminations.

- ✔ Raw Material: HMWPE
- ✔ Specific Gravity: 0,98
- ✔ Melting Point: 150°C

- ✔ Elongation at % of BS:
25% 0,9%
50%1,6%

Berthing Rope

An 8 strands plaited rope that combines polyester’s high tenacity, abrasion and wear resistance with traditional PP spun. This is a very special blend which, along with its unique construction that perfectly combines these two fibers, it gives this rope a superb handling and touch, highly appreciated by national marine defence fleets.



Advantages

- Superb handling and touch
- Good abrasion and wear resistance
- Low water absorption
- Flexible, non-kinking and non-rotating

Applications



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36	1 1/2	4 1/2	760	76,0	51,1	21.040	46.384	206
40	1 5/8	5	950	95,0	63,8	26.400	58.201	259
44	1 3/4	5 1/2	1.150	115,0	77,3	30.960	68.254	304
48	2	6	1.360	136,0	91,4	36.500	80.467	358
52	2 1/8	6 1/2	1.600	160,0	107,5	42.620	92.959	418
56	2 1/4	7	1.850	185,0	124,3	48.720	107.407	478
60	2 1/2	7 1/2	2.120	212,0	142,5	54.280	119.665	532
64	2 5/8	8	2.420	242,0	162,6	63.110	139.131	619
68	2 3/4	8 1/2	2.740	274,0	184,1	70.850	156.195	695
72	2,875	9	3.060	306,0	205,6	78.590	173.258	771
80	3 1/4	10	3.780	378,0	254,0	96.360	212.434	945
88	3 5/8	11	4.570	457,0	307,1	115.540	254.718	1.133
96	4	12	5.450	545,0	366,2	136.250	300.375	1.336
104	4 1/4	13	6.400	640,0	430,1	158.050	348.435	1.550
112	4 5/8	14	7.400	740,0	497,2	179.850	396.495	1.764
120	5	15	8.500	850,0	571,2	207.100	456.570	2.031
128	5 1/4	16	9.640	964,0	647,8	234.350	516.645	2.298
136	5 1/2	17	10.930	1.093	734,4	264.325	582.727	2.592

More diameters available by demand.

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