

### Anchoring cables and towing

The anchoring cables and towing tools, manufactured by the company DELTEX®, are made up of polyester monofilament wires. They are made up only of virgin material with high viscosity, no recycled material is used.

They work in the direction of tension. The compressive strength of 1 ton per cm<sup>2</sup> of the monofilaments prevents the cable to crush itself and to maintain its diameter under tension.



### FEATURES

- Dimensional stability.
- High tension strength per mm<sup>2</sup>.
- Capacity of impact absorption with limited elongation.
- Insensitive to corrosion.
- Highly resistant to frictions.
- High compressive strength: 1 ton per cm<sup>2</sup>.
- Light weight in water.
- Elastic memory after tension effort.
- Lifetime twice the life of a chain.
- Hydrodynamics: in very deep anchoring, it can divide by two the friction strenghts compared with the cords of polyamide or polypropylene.
- Different types of connection: S Type (short term), C Type (freshwater), R Type (seawater), and M Type (towing cables).
- THEY DO NOT DAMAGE THE SEABED.

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### Mechanical characteristics of the DELTEX<sup>®</sup> cables

- Material: PET (Polyester) .
- Breakdown strength: 65KgF/mm<sup>2</sup>.
- Elastic memory: 100%, back to its previous size after a long-term tension.
- Breakdown elongation: 10%.
- Density: 1.40Kg/dm<sup>3</sup>.
- Operation lifetime: More than 40 years in outdoor use from -40°C to +70°C.
- Connections: Resistance of 60% or 90% of the cable strength depending on the system used (resin cone).

- **THEY DO NOT DAMAGE THE SEABED.**

- PREVIOUS STUDY BEFORE ANCHOR INSTALLATION AND BEACONING.

Marine application standard cable			
Diameter (mm)	Breakdown point (daN)	Weight per metre (g)	Length Small and big reel (m)
5	940	24	3,500
8	2,500	63	3,500
11	4,000	100	1,250 o 2,500
16	7,000	227	3,000
19	11,000	282	2,000
22	14,000	325	2,000
27	21,000	570	2,000
32	30,000	904	2,000
34	35,000	948	2,000

Cable for buoys			
Diameter (mm)	Break-down (Tn)	Length (m)	Connection
72	100	20~1,500	RF 75
90	170	20~1,000	RF 95
126	290	20~1,000	RF 130
146	410	700	RF 150

Cable for towing		
Diameter (mm)	Break-down (Tn)	Length (m)
48	55	200~2,000
59	75	200~2,000
80	130	200~2,000
90	170	200~2,000
107	240	200~1,000

Cable for beacons anchoring			
Ballast	Cable (Ømm)	Work area	Breakdown point with connection RM Type (Tn)
500Kg to 1T	Ø 16	from 0 to 1T 500	7
1T to 2T	Ø 19	from 0 to 2T	11
2T to 3T	Ø 22	from 0 to 3T	14
3T to 5T	Ø 27	from 0 to 4T	21
5T to 7T	Ø 32	from 0 to 6T	30
7T to 8T	Ø 34	from 0 to 7T	35