



The engineers at Timm have managed to design a unique 8-strand polyester rope, which delivers over twice the strength of conventional polyester ropes – with a breaking strength 150% above ISO standard.

Timm has produced great ropes since 1772, and constructed our first polyester rope in 1952. Polyester is a particularly reliable fiber, and has proven to be the most durable of the conventional fibers used in ropes.

Rope testing with DNV GL – at the Ormen Lange testlab in Norway – also proved that the subsea breaking strength (MBL) transcends the MBL from the standard ISO 2307 dry test procedure.

The peak performance of the Terraline 8 is obtained mainly through three key elements:

1. Super HT polyester fibers
2. Single yarn marine coating
3. Unique 8-strand MaxLoad design

The Timm engineers have combined the experience from Acera™ high performance HMPE ropes, with an innovative 8-strand rope construction.

This MaxLoad design is based on a set of unconventional yarn twist/strand laying/rope design ratios, and the use of new tools for simultaneous tensioning of all filaments, yarns and strands respectively.

The result is an unparalleled high performance solution which outperforms other traditional polyester ropes.

SUITABLE



Fishery



Mooring



Towing

PRODUCT FEATURES

Construction	8-strand plaited
Fiber	Polyethylene Terephthalate - Super HT Polyester Super High Tenacity and high adhesive
Specific gravity	1,37 (sinking)
Colours	White
UV resistance	Excelent
Abbrasion resistance	Excelent
Acid resistance	Good
Alkali resitance	Good
Cold & frost resistance	Very Good +
Water resistance	Excellent (< 0,5% absorption)
Heat resistance	Excellent (260° melting)
Elongation	Moderate (10% at break)
Cold & frost resistance	Very Good +

KEY BENEFITS

- High strength, both wet and dry
- Great abrasion and UV resistance
- Easy to splice and repair
- Low bending ratio
- Lower elongation
- Available in very long length
- Low coefficient of friction
- High melting point (260°C)

CERTIFICATE



by Wilhelmsen
WORKS CERTIFICATE

diameter DIA. (mm)	MBL spliced (t)	MBL spliced (kN)	MBL unspliced (t)	MBL unspliced (kN)	diameter DIA. (inch)	MBL spliced (lbs)	MBL unspliced (lbs)
32	35	343	38.9	381	1.5/16"	77.087	85.652
34	39.3	385	43.6	428	1.3/8"	86.596	96.218
36	43.8	430	48.7	478	1.1/2"	96.713	107.458
38	48.6	477	54.1	531	1.9/16"	107.436	119.373
40	53.7	527	59.8	586	1.5/8"	118.564	131.738
44	64.5	633	71.7	703	1.3/4"	142.236	158.040
46	70.4	690	78.1	766	1.7/8"	154.983	172.203
48	76.3	748	84.8	832	2"	168.337	187.041
50	82.6	810	91.8	900	2.1/16"	182.095	202.328
52	89	873	98.9	970	2.1/8"	196.258	218.064
56	102.7	1007	114.1	1119	2.1/4"	226.405	251.561
58	109.8	1077	122.1	1197	2.3/8"	242.186	269.096
60	117.3	1150	130.3	1278	2.1/2"	258.575	287.305
64	132.8	1302	150.6	1477	2.5/8"	292.768	325.298
68	149.2	1463	165.8	1626	2.3/4"	328.985	365.538
72	166.5	1633	185.1	1815	3"	367.225	408.027
76	184.8	1812	205.4	2014	3.1/8"	407.488	452.764
80	203.9	2000	226.7	2223	3.1/4"	449.774	499.749