

TITAN PLUS

TITAN PLUS – an advanced braided composite rope with one of the highest tensile strengths on the market. The basic material of the rope is a mixture of Polys and high tenacity polyester fibres. High tenacity polyester multifilament fibres on the surface of the rope strands increase abrasion resistance, resistance to warming-up of the rope surface with subsequent melting of surface fibres and resistance to UV degradation in which way the total service life of the rope is prolonged.

PARAMETERS



| | |
|----------------------------|--|
| Material | PES high tenacity multifilament and POLYS fibres |
| Specific gravity | 1.14 kg/dm ³ |
| Floating | no |
| Melting temperature | 260/165 °C |

| | |
|-------------------------------|----------------------------------|
| UV resistance | outstanding |
| Abrasion resistance | outstanding |
| Water absorption | max. 0.5% |
| Dry and wet conditions | identical wet and dry conditions |
| TCLL value | 79% |

8 STRAND

Diameter
32 - 104 mm



| Diameter mm | Circ. inch | Weight kg/100 m | BL t | BL kN |
|-------------|------------|-----------------|-------|--------|
| 32 | 4 | 68.5 | 27.3 | 268.0 |
| 36 | 4 1/2 | 80.0 | 34.3 | 336.0 |
| 40 | 5 | 108.0 | 42.8 | 420.0 |
| 44 | 5 1/2 | 124.0 | 50.3 | 493.0 |
| 48 | 6 | 148.0 | 59.5 | 583.0 |
| 52 | 6 1/2 | 173.0 | 69.4 | 680.0 |
| 56 | 7 | 201.0 | 80.1 | 785.0 |
| 60 | 7 1/2 | 231.0 | 91.3 | 895.0 |
| 64 | 8 | 268.0 | 102.0 | 1000.0 |
| 68 | 8 1/2 | 296.0 | 116.3 | 1140.0 |
| 72 | 9 | 334.0 | 129.5 | 1270.0 |
| 76 | 9 1/2 | 365.0 | 139.2 | 1365.0 |
| 80 | 10 | 411.0 | 158.1 | 1550.0 |
| 84 | 10 1/2 | 454.0 | 172.4 | 1690.0 |
| 88 | 11 | 497.0 | 190.7 | 1870.0 |
| 92 | 11 1/2 | 543.5 | 208.1 | 2040.0 |
| 96 | 12 | 590.0 | 225.4 | 2210.0 |
| 100 | 12 1/2 | 652.0 | 229.5 | 2250.0 |
| 104 | 13 | 714.0 | 233.6 | 2290.0 |

Spliced Termination: -10% / BL is in accordance with ISO 2307

12 STRAND

Diameter
18 - 44 mm



| Diameter mm | Circ. inch | Weight kg/100 m | BL t | BL kN |
|-------------|------------|-----------------|------|-------|
| 18 | 2 1/4 | 21.4 | 8.6 | 84.5 |
| 20 | 2 1/2 | 27.0 | 10.9 | 107.0 |
| 24 | 3 | 38.3 | 15.3 | 150.0 |
| 28 | 3 1/2 | 55.0 | 21.5 | 211.2 |
| 32 | 4 | 68.5 | 28.2 | 276.0 |
| 36 | 4 1/2 | 80.0 | 35.3 | 346.0 |
| 40 | 5 | 108.0 | 44.1 | 432.6 |
| 44 | 5 1/2 | 124.0 | 51.8 | 507.8 |

Spliced Termination: -10% / BL is in accordance with ISO 2307

APPLICATION

/ Towing lines / Offshore lines / Mooring lines / Mooring tails