


♣ Ultimatex 12 Rope–Technora ♣ ◆ PDF File ◆

| Structure | Applications |
|---|--|
|  | Mooring, Towing, Anchor lines, Shock lines, Slings etc |
| | Feature |
| | <p>Ultimatex 12 [Technora] is one of the newest and highest strength fiber ropes available. Technora is stronger than steel. It produces low stretch and almost no creep.</p> <p>Has excellent abrasion resistance and works well over the sheaves and winches.</p> <ol style="list-style-type: none"> ① Toque free ② Excellent heat resistance ③ Excellent resistance to bending fatigue ④ High strength , low stretch ⑤ Works well over sheaves and winches ⑥ Extremely strong ⑦ Excellent abrasion resistance enabling longer service life |

Physical Properties

| Fiber | Construction | Melting Point | Elongation at break | Specific gravity |
|--------|--------------|---------------|---------------------|------------------|
| Aramid | 12 strand | 500 °C | 4~5% | 1.39 |

| item No | Dia. | | Breaking Strength | | Cir. | | Weight | |
|---------|------|--------|-------------------|---------|------|-------|---------|-----------|
| | mm | Inch | KG | LBS | mm | Inch | kg/100m | lbs/100ft |
| UTR006 | 6 | 1/4 | 4,200 | 9,200 | 18 | 3/4 | 3.2 | 2.1 |
| UTR008 | 8 | 5/16 | 6,800 | 15,000 | 24 | 1 | 5.4 | 3.6 |
| UTR009 | 9 | 3/8 | 8,800 | 19,400 | 27 | 1-1/8 | 6.9 | 436 |
| UTR011 | 11 | 7/16 | 13,800 | 30,400 | 33 | 1-3/8 | 939 | 636 |
| UTR012 | 12 | 1/2 | 16,800 | 37,000 | 36 | 1-1/2 | 13.2 | 8.8 |
| UTR016 | 16 | 5/8 | 28,000 | 61,500 | 48 | 2 | 22.2 | 14.9 |
| UTR018 | 18 | 3/4 | 35,700 | 78,700 | 54 | 2-1/4 | 28.9 | 19.4 |
| UTR022 | 22 | 7/8 | 51,000 | 112,000 | 66 | 2-3/4 | 42.4 | 28.5 |
| UTR024 | 24 | 15/16 | 59,100 | 112,000 | 72 | 3 | 49.8 | 33.5 |
| UTR026 | 26 | 1-1/16 | 67,300 | 148,000 | 78 | 3-1/4 | 57.0 | 38.3 |
| UTR028 | 28 | 1-1/8 | 75,500 | 166,500 | 84 | 3-1/2 | 64.6 | 43.4 |
| UTR030 | 30 | 1-1/4 | 83,000 | 183,000 | 90 | 3-3/4 | 72.3 | 48.6 |
| UTR032 | 32 | 1-5/16 | 90,000 | 198,500 | 96 | 4 | 79.2 | 53.2 |

| | | | | | | | | |
|--------|----|-------|---------|-----------|-----|-------|-------|-------|
| UTR036 | 36 | 1-1/2 | 106,000 | 233,500 | 108 | 4-1/2 | 94.5 | 63.5 |
| UTR040 | 40 | 1-5/8 | 129,500 | 285,500 | 120 | 5 | 116.8 | 78.5 |
| UTR044 | 44 | 1-3/4 | 155,000 | 341,500 | 132 | 5-1/2 | 142.0 | 95.4 |
| UTR048 | 48 | 2 | 182,500 | 402,000 | 144 | 6 | 168.0 | 112.9 |
| UTR052 | 52 | 2-1/8 | 210,000 | 463,000 | 156 | 6-1/2 | 196.0 | 131.7 |
| UTR056 | 56 | 2-1/4 | 240,500 | 530,000 | 168 | 7 | 226.0 | 151.9 |
| UTR060 | 60 | 2-1/2 | 257,000 | 566,500 | 180 | 7-1/2 | 245.0 | 164.5 |
| UTR064 | 64 | 2-5/8 | 287,500 | 633,500 | 192 | 8 | 278.0 | 186.8 |
| UTR068 | 68 | 2-3/4 | 323,000 | 712,000 | 204 | 8-1/2 | 315.0 | 211.7 |
| UTR072 | 72 | 3 | 355,000 | 782,000 | 216 | 9 | 355.5 | 238.9 |
| UTR080 | 80 | 3-1/4 | 430,000 | 948,000 | 240 | 10 | 438.0 | 294.3 |
| UTR088 | 88 | 3-5/8 | 513,000 | 1,131,000 | 264 | 11 | 530.5 | 356.5 |
| UTR096 | 96 | 4 | 600,000 | 1,322,000 | 288 | 12 | 631.0 | 424.0 |