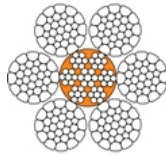


PRODUCT CATALOG

TUF-FLEX DL

- ▶ Superior performance 6-strand rope
- ▶ Increased service life
- ▶ Less sheave and drum wear



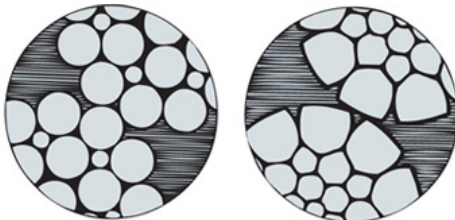
Rotary drilling line applications require a rope that is abrasion resistant, crush resistant and fatigue resistant.

The process used during the manufacturing of TUF-FLEX DL compacted drill lines provides a smooth wire rope with greater surface area and more steel per given diameter, which increases strength, fatigue resistance and wear resistance.

Union's TUF-FLEX DL compacted drilling lines have a plastic impregnated core which minimizes internal nicking and prolongs service life of the rope.

Compacting process increases surface area

The increased surface area of compacted rope can be seen in the comparison of the contact points of a standard 6 x 26 WS (left) and the compacted rope (right)



TUF-FLEX DL Strengths & Weights Chart

Rope Diameter Inches (in)	Minimum Breaking Force (tons of 2000 lbs)	Weight per foot (lbs)
1 1/8	71.5	2.5
1 1/4	87.9	3.1
1 3/8	106	3.7
1 1/2	125	4.5
1 5/8	146	5.2
1 3/4	169	6.1
1 7/8	192	7.0
2	217	7.9

employ the most experienced, talented, licensed engineers in the industry to design solutions for your application. Eight WireCo WorldGroup manufacturing operations and seven distribution centers in North America, plus manufacturing facilities in Mexico, Germany and China, give our customers unparalleled support and global reach. Find out for yourself why Union wire ropes have proven themselves time and time again in the field. **Union: Tested, Tough & True.**