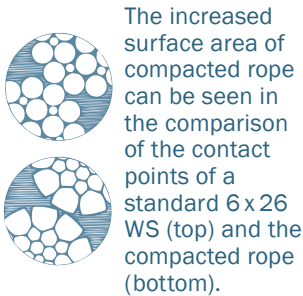


TUF-FLEX® DL

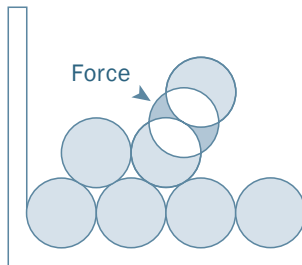
Compacted Rotary Drilling Lines

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

Compacting process increases surface area



Drum scrubbing between the lead line and the previous wrap is reduced.



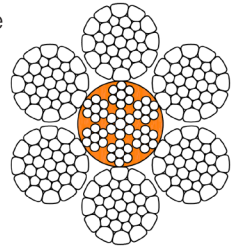
Smooth contact creates less interference, less metal loss and wire deformation.

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.



	Rope Diameter Inches	Minimum Breaking Force (tons of 2000 pounds)	Weight per foot (pounds)
6 x 26	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
6 x 31	1-5/8	146	5.2
	1-3/4	169	6.1
	1-7/8	192	7.0
	2	217	7.9

Union, a WireCo WorldGroup brand, produces wire ropes for a variety of applications— each with their own exacting specifications. We employ the most experienced and talented licensed engineers in the industry to design solutions for your application. Eight WireCo WorldGroup manufacturing operations and six distribution centers in North America, plus manufacturing facilities in 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.**

816.270.4700
info@WireCoWorldGroup.com

12200 NW Ambassador Drive
 Kansas City, MO 64163
 fax: 816.270.4707
www.UnionRope.com



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