



- ▶ Category 2, rotation resistant rope
- ▶ Compacted smooth design
- ▶ Crush resistant
- ▶ Fatigue resistant



Union Flex-X 19 PS is a rotation resistant rope produced by laying 6-strands around a core strand in one direction. Then 12 strands are laid around this first operation in the opposite direction. Smaller diameters typically have 7 wires per strand while larger diameters have 19 wires per strand.

Our Flex-X 19 PS wire rope is designed for multi-part hoisting systems. It reduces block twisting and spools well at high line speeds. Because of its tightly compacted smooth design, Flex-X 19 PS offers more crushing resistance than standard 19x7 rope, higher strength-to-diameter, resistance to bending fatigue, exceptional stability, and reduced wear to sheaves and drums.

Flex-X® vs. standard rope of similar construction:

Flex-X designs reduce drum scrubbing between the lead line and the previous wrap. The smooth contact creates less interference, less metal loss and wire deformation. The increased surface area of Flex-X can be seen in the comparison of the contact points of a standard 6x26WS and Flex-X as shown.

## Flex-X 19 PS Strength and Weights Chart (inches)

Diameter (in)	Weight (lb/ft)	Minimum Breaking Force (tons of 2000 lbs)
3/8	0.27	8.7
7/16	0.42	11.8
1/2	0.49	15.4
9/16	0.65	19.4
5/8	0.78	23.8
3/4	1.16	34
7/8	1.58	46
1	2.05	59.8
1 1/8	2.57	75.2
1 1/4	3.11	87.9
<b>Should not be used with a swivel.</b>		

Union, a WireCo WorldGroup brand, produces wire rope for a variety of applications – each with their own exacting specifications. We 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.**



**Industrial Rigging & Supply**

