



PRODUCT CATALOG

Flex-X 19

- ▶ Category 2 rotation resistant rope
- ▶ More crushing resistance than standard 19 x 7 rope
- ▶ Higher strength-to-diameter resistance to bending fatigue
- ▶ Exceptional stability



Flex-X 19, a Category 2 rotation resistant rope, is made from 19 strands. Six strands are laid around a core strand in one direction, and then 12 strands are laid around this first operation in the opposite direction. Because of its tightly compacted smooth design, Flex-X 19 offers more crushing resistance than standard 19 x 7 rope, higher strength-to-diameter, resistance to bending fatigue, exceptional stability, reduced wear to sheaves and drums, and improved handling, operating and spooling characteristics.

Flex-X 19 has also demonstrated greater fatigue resistance to substantially cut rope expense and extend service life. It's ideal for multipart hoist lines wherever you encounter spooling problems, drum crushing, block twisting or have fast line speeds.

Flex-X 19 Strength and Weights Chart (inches)

Diameter (in)	Approx. wt./ft. (lbs.)	Minimum Breaking Force (tons of 2000 lbs)*
7/16	0.43	11.2
1/2	0.49	14.6
9/16	0.65	18.5
5/8	0.78	22.7
3/4	1.16	32.4
7/8	1.58	43.8
1	2.05	56.9
1 1/8	2.57	71.5

* The minimum breaking force applies only when a test is conducted with both ends fixed. When in use, the minimum breaking force of these ropes may be significantly reduced if one end is free to rotate.

Union, a WireCo WorldGroup brand, produces wire rope and special rope assemblies 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. Nine manufacturing operations and seven distribution centers in North America, plus manufacturing facilities in Germany, Poland and Portugal, 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.**