



## PRODUCT CATALOG

### 7-Flex PFV

- ▶ Reduce wire-contact stress
- ▶ Keep lubrication inside
- ▶ Provide greater wear area
- ▶ Reduce internal abrasion



Combining the advantages of PFV, a high-grade thermoplastic material, extruded into a 7-Flex lubricated wire rope, provides additional advantages over non PFV ropes.

Through our process, the finished rope has the strand valleys between strands and interstices equally filled with plastic, which seals the lubricant and assures a balanced rope when finished. This also has proven in many applications to give you longer service life and cleaner operation than conventional wire ropes.

On the inside, you'll find our 7-Flex wire rope that withstands the tough pressures of your demanding jobs while the PFV cushions the strands, distributes internal stresses, keeps in wire rope lubricant and keeps out dirt and debris. PFV also helps shed water and dirt, giving you a clean, smooth surface to make it easy to pass over sheaves and onto drums. This smooth surface works to clean and polish as it extends the service life of your sheaves and drums, while also reducing your cleanup requirements and your maintenance costs.

PFV doesn't melt or soften from the heat of normal operating temperatures. It's also virtually unaffected by sunlight and cold weather. The result is longer service life from your wire rope. It's a Union wire rope, Tested, Tough & True.

### 7-Flex PFV Strength and Weights Chart (inches)

Diameter (in)	Weight (lb/ft)	Minimum Breaking Force (tons of 2000 lbs)
3/8	0.27	7.55
7/16	0.37	10.2
1/2	0.49	13.3
9/16	0.61	16.8
5/8	0.76	20.6
3/4	1.09	29.4
7/8	1.49	39.8
1	1.94	51.7
1 1/8	2.46	65
1 1/4	3.03	79.9
1 3/8	3.67	96
1 1/2	4.31	114
1 5/8	5.12	132
1 3/4	5.94	153
1 7/8	6.83	174
2	7.77	198
2 1/8	8.77	221
2 1/4	9.83	247

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.**

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