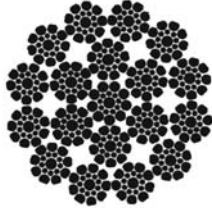




Bethlehem

Super Flex Pac 19™ Rotation- Resistant



Strands: 19
 Wires Per Strand: 19
 Core: WSC
 Standard Grade(s): EEIPS
 Lay: Right Regular
 Finish: Bright

SFP 19 is recommended for both multipart load and single-part fast line applications where rotational stability of the lifted load is needed, such as for use as long fall on offshore pedestal cranes, rough and all terrain cranes, and crawler cranes.

SFP 19 PROVIDES:

Fatigue Resistance Improved fatigue properties are derived through the combination of the flexible 19x19 construction and die drawn strands. The drawn strand surfaces minimize the interstrand and interlayer nicking that take place in round rotation-resistant ropes. **Abrasion Resistance.** Die drawn ropes provide improved abrasion resistance as compared with round wire ropes because of the greater wire and strand bearing surfaces contacting sheaves and drum.

Resistance to Drum Crushing SFP 19 wire ropes are resistant to the effects of drum crushing due to the compacted strands and smoothness of the rope surface. Flexibility. With 19 strands of 19 wires in all diameters, SFP 19 remains extremely flexible and easy to handle during both the installation process and under the extremely harsh conditions from fast line speeds during spooling.

Rope Diameter		Approximate Weight lb/ft	Nominal Strength (tons*)
(in.)	(mm)		Royal Purple (EEIPS)
7/16	11.0	0.42	11.2
1/2	13.0	0.54	14.6
9/16	14.5	0.69	18.5
5/8	16.0	0.83	22.7
3/4	19.0	1.19	32.3
7/8	22.0	1.62	43.8
1	26.0	2.12	56.9
1-1/8	29.0	2.68	71.5
1-1/4	32.0	3.31	87.9
1-3/8	35.0	4.01	106.0
1-1/2	38.0	4.77	125.0

* Tons of 2,000 lbs.

6-PAC™



Strands: 6
 Wires Per Strand: 19 to 36
 Core: IWRC
 Standard Grade(s): EEIPS
 Lay: Right Regular
 Finish: Bright

6-PAC is recommended for use where the rope is subject to heavy use or where conditions are extremely abusive, such as offshore pedestal, crawler and lattice-boom-equipped truck crane boom hoist applications. Also recommended for winch lines; overhead cranes; multipart hoist lines where rotation-resistant ropes are not required; and other applications where flexibility, high strength and resistance to crushing are important, and a cost-effective, 6-strand rope is desired.

6-PAC PROVIDES:

Fatigue Resistance Improved fatigue properties are derived from the combination of 6-PAC's flexible constructions and the compacted strand surface minimizes the interstrand and interlayer nicking that take place in standard 6-strand ropes.

Abrasion Resistance 6-PAC's compacted strand design provides improved abrasion resistance as compared to standard 6-strand ropes because of the increased wire and strand surfaces contacting sheaves and drums.

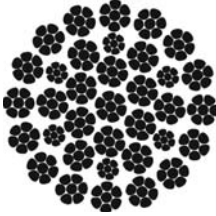
Flexibility 6-PAC's design provides increased flexibility, making it easy to install, and 6-PAC also offers better spooling at high line speeds.

Resistance To Multilayer Drum Crushing 6-PAC dramatically increases the amount of wire contact with the drums and sheaves, reducing the wire rope, sheave and drum wear normally associated with standard wire rope. Damage at the crossover points is also reduced.

Rope Diameter		Standard Constructions	Approx. Weight lb/ft	Nominal Strength (tons*)
(in.)	(mm)			Royal Purple (EEIPS)
3/8	9.5	6x19 Seale	0.285	8.31
7/16	11.0	6x19 Seale	0.388	11.20
1/2	13.0	6x26	0.503	15.50
9/16	14.5	6x26	0.642	18.50
5/8	16.0	6x26	0.795	22.70
3/4	19.0	6x31	1.143	32.20
7/8	22.0	6x31	1.547	43.80
1	26.0	6x31	2.075	56.90
1-1/8	29.0	6x31	2.575	71.50
1-1/4	32.0	6x31	3.169	87.90
1-3/8	35.0	6x36	3.758	106.00
1-1/2	38.0	6x36	4.564	125.00
1-5/8	41.3	6x36	5.356	146.00
1-3/4	45.5	6x36	6.212	169.00



Super Flex PAC 35



Strands: 35
Wires per Strand: 7
Core: WSC
Standard Grade: 2160 N/mm²
Lay: Right Lang
Finish: Bright

SFP 35 is a rotation-resistant rope of high strength that can resist block twist in long falls.

SFP 35 PROVIDES:

Superior Rotation Resistance The SFP 35 rope is the most rotation-resistant rope manufactured by WW. Due to its rotation-resistant properties, SFP 35 may be used with a swivel in both single part and multiple part reeving.

High Strength WW's compaction process provides a high strength rope which exceeds EEIP nominal break strength.

Application SFP 35 excels in crawler and truck-type crane load lines, and tower crane ropes.

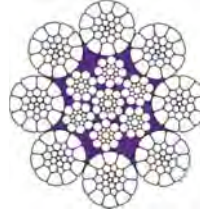
Flexibility SFP 35's multiple-strand construction provides increased flexibility which improves service life and high-speed spooling. The compacted multiple strand construction also reduces sheave and drum abrasion and provides excellent resistance to drum crushing.

Super Flex Pac 35 (SPF 35)

Rope Diameter		Approx. Wt.		Nominal Strength	
(mm)	(in.)	kg/m	lb/ft	kN	tons*
19		1.95		358	
	3/4		1.31		40.20
22		2.65		482	
	7/8		1.78		54.1
	1		2.36		76.9
26		3.51		696	
28		4.39		758	
	1-1/8		2.95		91.5

* Tons of 2,000 lbs.

8 - PAC



Strands: 8
Wires per Strand: 19 to 36
Core: Plastic Filled (BXL)
Standard Grade: Royal Purple
Lay: Right
Finish: Bright

8-PAC is recommended for hoist ropes for steel mill ladle cranes and hoist and trolley ropes for container cranes, or other hoisting applications with heavy duty cycles or wherever severe bending occurs.

8-PAC PROVIDES:

Superior Performance 8-PAC has higher breaking strength and gives superior performance in difficult hoisting applications compared to 6-strand and 6-strand compacted ropes.

Abrasion Resistance 8-Pac's compacted strand design provides improved abrasion resistance as compared to standard 6-strand and 8-strand ropes because of the increased wire and strand surfaces contacting the sheaves and drums.

Superior Flexibility 8-Pac is significantly more flexible than standard 6-strand and compacted 6-strand ropes with better spooling and longer service life.

Resistance to Multilayer Drum Crushing 8-PAC's plastic filled (BXL) core offers increased resistance to crushing through better support of the outer strands.

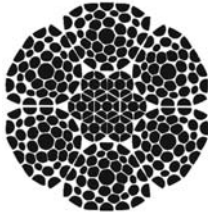
8-PAC

Rope Diameter (in.)	Standard Construction	Approx. Wt. (lb/ft)	Minimum Breaking Strength (net tons)
5/8	8x26 WS	0.80	25.0
3/4	8x26 WS	1.17	36.0
7/8	8x26 WS	1.60	48.3
1	8x26 WS	2.10	62.8
1-1/8	8x26 WS	2.63	79.0
1-1/4	8x31 WS	3.26	98.0

* Tons of 2,000 lbs. Other Sizes are Available.



Triple - PAC™



Strands: 6
Wires per strand: 26 to 36
Core: IWRC
Standard Grade(s): Royal Purple
Lay: Right Regular
Finish: Bright

Triple-PAC was developed for the most demanding hoist applications. Triple-PAC offers the extra high-strength and crushing resistance needed for applications such as boom hoist ropes, boom pendants, and multipart load lines.

Triple-PAC PROVIDES:

Superior Abrasion and Fatigue Resistance Compared with most compacted ropes due to Wire Rope Work's unique design of compacting the IWRC, individual strands, and the rope itself.

Other Benefits Include:

High Strength Triple-PAC is designed to provide a nominal strength of 35% above EIP. WW achieves this strength through selected grades of steel and Triple-PAC's unique design and manufacturing processes.

Superior Resistance to Multilayer Drum Crushing

Triple-PAC provides superior resistance to crushing through its design. Triple compaction provides a more dense cross section, enabling the rope to withstand the rigors of multilayer spooling. Damage at the cross over points is also significantly reduced.

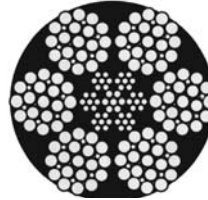
In addition, Triple-PAC's design increases the amount of wire contact with sheaves and drums, reducing wire rope, drum, and sheave wear.

Triple-PAC

Rope Diameter		Approx. Weight (lbs./ft)	Nominal Strength (tons)*
(in.)	(mm)		Royal Purple Plus (EIPS)
7/16	11.0	0.412	13.8
1/2	13.0	0.543	18.0
9/16	14.5	0.680	22.7
5/8	16.0	0.840	27.8
3/4	19.0	1.297	39.7
7/8	22.0	1.646	53.7
1	26.0	2.147	69.8
1-1/8	29.0	2.722	87.8
1-1/4	32.0	3.297	107.9
1-3/8	35.0	3.997	129.6
1-1/2	38.0	4.839	153.9

* Tons of 2,000 lbs.

BXL™



Strands: 6
Wires per Strand: 19 to 36
Core: IWRC
Std. Grade(s): Purple + (EIPS)
Lay: Regular or Lang
Finish: Plastic-Infused

BXL is infused with a special polymer, creating a well-balanced matrix. BXL is recommended for numerous hoist, marine, and logging rope applications.

BXL PROVIDES:

Fatigue Resistance Improved fatigue resistance is derived from the cushioning and dampening effect of the polymer on the wires and strands. BXL evenly distributes stresses which may lead to fatigue breaks.

Abrasion Resistance The polymer acts as a barrier between the individual strands, preventing penetration of any adverse material. BXL distributes and reduces contact stresses between the rope and sheave, reducing wire rope wear.

Resistance to Multilayer Drum Crushing BXL's smooth profile evenly distributes crushing pressures from the overlying layers of rope in multilayer drum winding applications.

Extended Sheave and Drum Service Life BXL minimizes corrugation and wear normally associated with standard rope usage by restricting water and dirt penetration and eliminating pickup of abrasive materials.

BXL

Rope Diameter		Approx. Wt. (lb/ft)	Nominal Strength* (Tons (2,000 lbs))
(in.)	(mm)		
3/8	9.5	0.27	7.5
7/16	11.0	0.37	10.2
1/2	13.0	0.49	13.3
9/16	14.5	0.61	16.8
5/8	16.0	0.76	20.6
3/4	19.0	1.09	29.4
7/8	22.0	1.49	39.8
1	26.0	1.94	51.7
1-1/8	29.0	2.46	65.0
1-1/4	32.0	3.03	79.9
1-3/8	35.0	3.67	96.0
1-1/2	38.0	4.37	114.0

Note

The strengths listed in the table reflect only the 6 x 19 and 6 x 36 classes. BXL, or plastic-infused, may be added to many products, excluding rope design in which the rope itself is compacted.