

Recommended Applications for Wire Ropes

USE	SIZE (in.)	CONSTRUCTION	LAY	CORE	GRADE
Clamshell					
Holding & Closing Lines Boom Hoist Line Tag Line	1/2 & Up	6 x 2 5 FW or 6 x 36	RRL	IWRC	EIPS
	1/2 & Up	WS	RRL	IWRC	EIPS
	All	6 x 19 or 6 x 37 Class	RRL	IWRC	EIPS
	3/8 & Up	6 x 19 Class 6 x 37 Class	RRL	IWRC	EIPS
Crawler & Truck Cranes					
Hoist Line Boom Hoist Line Whip Line	All	6 x 19 Class or 19 x	RRL	IWRC	EIPS
	All	19	RRL	IWRC	EIPS
	3/8---1-1/2	6 x 19 Class	RRL	IWRC	EIPS
		19 x 7 or 35 x 7			
Cranes & Hoists					
Overhead	All	6 x 19 Class	RRL	IWRC	EIPS
Ladle Crane	All	6 x 37 Class	RRL	IWRC	EIPS
			RRL	IWRC	EIPS
			RRL	IWRC	EIPS
			RRL	IWRC	EIPS
Dragline					
Hoist Line	Up to 1-1/4	6 x 19 or 8 x 19 Class	RLL	IWRC	EIPS
Drag Line	1-3/8 & Up	6 x 37 Class	RLL	IWRC	EIPS
	3/4---1-1/2	8 x 19 Class	RLL	IWRC	EIPS
	1-5/8---3	8 x 37 Class	RLL	IWRC	EIPS
	3 & Up	8 x 37 Class	RRL	IWRC	EIPS
Boom Hoist	1/2 & Up	6 X 19 Class	RRL	IWRC	EIPS
Shovels					
Hoist Line	Up to 1 1/8	6 x 19 CL or 8 x 19	RLL	IWRC	EIPS
Crowd & Retract Boom Hoist	1-1/4 & Up	CL	RLL	IWRC	EIPS
	3/4 & Up	6 x 37 CL or 8 X 19	RLL	IWRC	EIPS
	1/2---1-1/4	CL	RRL	IWRC	EIPS
	1-3/8 & Up	6 x 37 CL or 8 X 19	RRL	IWRC	EIPS
Trip Rope	3/8---1	CL	RRL	IWRC	IPS
	1" & Up	6 x 19 CL or 8 x 19	RRL	IWRC	IPS
		CL			
		6 x 37 CL or 8 X 19			
		CL			
		6 x 37 CL or 8 X 19			
		CL			
		6 x 37 CL or 8 X 19			
		CL			
		6 x 37 CL or 8 X 19			
		CL			
Logging Ropes					
Chokers Winch Lines	All	6 X 19 Class	RRL	IWRC	EIPS
	All	6 X 19 Class	RRL	IWRC	EIPS
Mining					

Slope Rope	All	6 x 19 S	RLL	FIBER	IPS
Shaft Hoist	All	6 x 19 S or 6 x 25 FW	RLL or	FIBER	IPS
Ropes	All	3 x 19 S or 6 x 19 S	RRL	IWRC	IPS
Slusher Rope	All	6 x 36 WS or 6 x 41	RRL	IWRC	EIPS
Mining		WS	RRL		
Machine Rope					
Marine Ropes					
Towing Hawser	All	6 x 37 Class	RRL	IWRC	EIPS
Mooring Lines	All	6 x 19 or 6 x 37 Class	RRL	IWRC	EIPS
Cargo Falls	All	6 x 37 Class	RRL	IWRC	EIPS
Oil Field					
Rotary Drill	3/4---2	6 x 19 S, 6 x 21 S, 6 x	RRL	IWRC	EIPS
Lines	All	26 NS	RRL	POLY	IPS
Sand Lines	All	6 x 7	RRL or	FIBER	EIPS
Tubling Line	All	6 x 26 WS	LRL	IWRC	IPS
Cable Tool		6 x 21 S		POLY	
Line				FIBER	
Offshore					
Rotary Drill	1---2	6 x 19 S, 6 x 21 S, 6 x	RRL	IWRC	EIPS
Lines	1-1/4---2	26 CL	RLL	IWRC	IPS
Riser	1/2---1	6 x 37 Class	RRL	IWRC	IPS
Tensioner	1/2---5/8	6 x 19 Class	RRL	POLY	IPS
Lines	1-1/2---3 3/4	6 x 7	RRL	FIBER	EIPS
Guide Lines	3/8---2	6 x 19 Class or 6 x 37	RRL	IWRC	IPS or
Sand Lines	3/8---2-1/4	Class	RRL	IWRC	EIPS
Pendant Lines	1-3/8---6	6 x 37 Class or 35 x 7	RRL	IWRC	EIPS
Crane-Main	1-1/2---4	Class	RRL	IWRC	EIPS
Hoist	3-1/2---10	35 x 7 Class	RLL or	IWRC	EIPS
Crane-Auxiliary		6 x 37 Class	LLL	IWRC	EIPS
Hoist		6 x 37 Class			
Anchor Lines					
Heavy Lift					
Slings					
Heavy Lift					
Slings					

Definition of Abbreviations

Grade	Construction	Lay	Core
IPS - Improved Plow Steel	FW - Filler Wire	RRL - Right Regular	IWRC - Wire Rope
EIPS - Extra Improved Plow Steel	WS - Warrington Seale	Lay	Core
GIPS - Galvanized Improved Plow Steel	SFW - Seale Filler Wire	RLL - Right Lang	FC - Fiber Core
EEIPS - Extra, Extra Improved	RR - Rotation	Lay	Fiber - Hemp or Poly Core
		LRL - Left Regular	Poly - Polypropylene
		Lay	

<p>IPS- Improved Plow Steel EIPS - Extra Improved Plow Steel GIPS - Galvanized Improved Plow Steel EEIPS - Extra, Extra Improved Plow Steel EEEIPS - Extra, Extra, Extra Improved Plow Steel</p>	<p>FW - Filler Wire WS - Warrington Seale SFW - Seale Filler Wire RR - Rotation Resistant W - Warrington S - Seale</p>	<p>RRL - Right Regular Lay RLL - Right Lang Lay LRL - Left Regular Lay LLL - Left Lang Lay RAL - Right Attended Lay LAL - Left Attended Lay</p>	<p>IWRC - Wire Rope Core FC - Fiber Core Fiber - Hemp or Poly Core Poly - Polypropylene Core</p>
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