



THERN

WIRE ROPE



Thern

WIRE ROPE & CONTROLS

Wired-to-Go Convenience

Thern recognizes the value of immediate productivity on the work site. That’s why we supply premium wire rope assemblies, configured to the performance characteristics of your winch, and more importantly, to your specific needs.

We offer improved and extra improved plow steel wire rope, commonly used by the Naval Construction Force (NCF). It’s strong, tough, and more resistant to wear than other wire rope and is especially useful for heavy-duty service. We also offer 7x19 galvanized aircraft cable (GAC) in diameters up to 3/8”. It’s **stronger than its stainless-steel equivalent but offers good corrosion resistance**. Or choose Type 304 stainless steel alloy for industrial atmospheres or marine environments. Type 316 wire rope offers even more corrosion resistance against marine and chemical environments. It is also commonly used in high-temperature applications such as pulp and paper, food processing and textiles. Finally, we offer strong but lightweight polyester rope assemblies featuring Samson AmSteel® Blue and Samson Stable Braid. Depending on your need, Thern has the right wire rope for the job.

In addition to a wide variety of wire rope to choose from, Thern also provides a variety of end configurations to complete a wire rope assembly - perfect for out-of-the-box productivity on site. Our swivel hook is standard and we offer various end types including unfinished, swaged-ball, Nicopress, and thimble-eye.

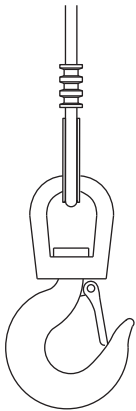
If you prefer to purchase your own wire rope or wire rope assembly, please use a reputable supplier. In general, the breaking strength of new wire rope should be five times the largest load for lifting applications. It should be three times the largest load for pulling applications. When selecting a wire rope, use the breaking strength specified by the rope manufacturer and feel free to ask Then for recommendations.

Breaking Strength of Wire Rope (lb)

Wire Rope Diameter	6x37 IWRC (Improved Plow Steel) Wire Rope	6x37 IWRC (Extra Improved Plow Steel) Wire Rope	6x19 IWRC 304 Stainless Wire Rope
3/8 in	13,120	15,100	----
7/16 in	17,780	20,400	16,300
1/2 in	23,000	26,600	22,800
9/16 in	29,000	33,600	28,500
5/8 in	35,800	41,200	35,000
3/4 in	51,200	58,800	49,600
7/8 in	69,200	79,600	66,500
1 in	89,800	103,400	85,400
1-1/8 in	113,000	130,000	106,400
1-1/4 in	138,800	159,800	129,400
1-3/8 in	167,000	192,000	153,600

Values shown are for reference only.

When selecting a wire rope, use the breaking strength specified by the rope manufacturer.



Standard Swivel hook



Swaged-Ball End



Unfinished End

Wire Rope Assemblies

Model Number	Wire Rope Diameter x Length	Approx. Ship Weight	
		(lb)	(kg)
Galvanized aircraft cable with swivel hook and swaged-ball fitting			
WA19-20NS	3/16 in x 20 ft	3	1
WA19-28NS	3/16 in x 28 ft	4	2
WA19-36NS	3/16 in x 36 ft	4	2
WA19-45NS	3/16 in x 45 ft	7	3
WA25-20NS	1/4 in x 20 ft	4	2
WA25-28NS	1/4 in x 28 ft	5	2
WA25-36NS	1/4 in x 36 ft	6	3
WA25-45NS	1/4 in x 45 ft	7	3
WA25-60NS	1/4 in x 60 ft	9	4
WA25-75NS	1/4 in x 75 ft	11	5

Galvanized aircraft cable with swivel hook and unfinished end			
WA31-20DS	5/16 in x 20 ft	6	3
WA31-28DS	5/16 in x 28 ft	7	3
WA31-36DS	5/16 in x 36 ft	8	4
WA31-45DS	5/16 in x 45 ft	10	5
WA31-60DS	5/16 in x 60 ft	12	5
WA31-75DS	5/16 in x 75 ft	15	7
WA38-28DS	3/8 in x 28 ft	8	4
WA38-36DS	3/8 in x 36 ft	10	5
WA38-45DS	3/8 in x 45 ft	11	5
WA38-60DS	3/8 in x 60 ft	14	6
WA38-75DS	3/8 in x 75 ft	17	8

Galvanized EIPS steel wire rope with carbon steel swivel hook and unfinished end			
WEG44-28DS	7/16 in x 28 ft	15	7
WEG44-36DS	7/16 in x 36 ft	18	8
WEG44-45DS	7/16 in x 45 ft	21	10
WEG44-60DS	7/16 in x 60 ft	26	12
WEG44-75DS	7/16 in x 75 ft	31.5	14

Model Number	Wire Rope Diameter x Length	Approx. Ship Weight	
		(lb)	(kg)
316 stainless steel wire rope with SS swivel hook and swaged-ball fitting			
WSS19-20NS	3/16 in x 20 ft	3	1
WSS19-28NS	3/16 in x 28 ft	3	1
WSS19-36NS	3/16 in x 36 ft	4	2
WSS19-45NS	3/16 in x 45 ft	7	3
WSS19-60NS	3/16 in x 60 ft	9	4
WSS19-75NS	3/16 in x 75 ft	11	5
WSS25-20NS	1/4 in x 20 ft	5	2
WSS25-28NS	1/4 in x 28 ft	5	2
WSS25-36NS	1/4 in x 36 ft	6	3
WSS25-45NS	1/4 in x 45 ft	7	3
WSS25-60NS	1/4 in x 60 ft	9	4
WSS25-75NS	1/4 in x 75 ft	11	5

316 stainless steel wire rope with SS swivel hook and unfinished end			
WSS31-20DS	5/16 in x 20 ft	6	3
WSS31-28DS	5/16 in x 28 ft	7	3
WSS31-36DS	5/16 in x 36 ft	9	4
WSS31-45DS	5/16 in x 45 ft	11	5
WSS31-60DS	5/16 in x 60 ft	14	6
WSS31-75DS	5/16 in x 75 ft	17	8

Please contact Thern or nearest Thern Distributor for firm, fixed price and delivery.

Model Number	Wire Rope Diameter x Length	Approx. Ship Weight	
		(lb)	(kg)
304 stainless steel wire rope with SS swivel hook and swaged-ball fitting			
WS19-20NS	3/16 in x 20 ft	3	1
WS19-28NS	3/16 in x 28 ft	3	1
WS19-36NS	3/16 in x 36 ft	4	2
WS19-45NS	3/16 in x 45 ft	7	3
WS19-60NS	3/16 in x 60 ft	9	4
WS19-75NS	3/16 in x 75 ft	11	5
WS25-20NS	1/4 in x 20 ft	5	2
WS25-28NS	1/4 in x 28 ft	5	2
WS25-36NS	1/4 in x 36 ft	6	3
WS25-45NS	1/4 in x 45 ft	7	3
WS25-60NS	1/4 in x 60 ft	9	4
WS25-75NS	1/4 in x 75 ft	11	5

304 stainless steel wire rope with SS swivel hook and unfinished end			
WS31-20DS	5/16 in x 20 ft	6	3
WS31-28DS	5/16 in x 28 ft	7	3
WS31-36DS	5/16 in x 36 ft	9	4
WS31-45DS	5/16 in x 45 ft	11	5
WS31-60DS	5/16 in x 60 ft	14	6
WS31-75DS	5/16 in x 75 ft	17	8

304 stainless steel wire rope with SS swivel hook and unfinished end			
WS38-28DS	3/8 in x 28 ft	8	4
WS38-36DS	3/8 in x 36 ft	10	5
WS38-45DS	3/8 in x 45 ft	12	5
WS38-60DS	3/8 in x 60 ft	15	7
WS38-75DS	3/8 in x 75 ft	18	8

304 stainless steel wire rope with carbon steel swivel hook and unfinished end			
WS44-28DS	7/16 in x 28 ft	23	10
WS44-36DS	7/16 in x 36 ft	27	12
WS44-45DS	7/16 in x 45 ft	31	14
WS44-60DS	7/16 in x 60 ft	38	17
WS44-75DS	7/16 in x 75 ft	45	20

Breaking Strength of Wire Rope (lb)

Wire Rope Diameter	"7x19 Galvanized Aircraft Cable	"7x19 304 Stainless Steel Wire Rope	"7x19 316 Stainless Steel Wire Rope
1/8 in	2,000	1,760	1,530
3/16 in	4,200	3,700	3,210
1/4 in	7,000	6,400	5,600
5/16 in	9,800	9,000	8,200
3/8 in	14,400	12,000	11,000

Values shown are for reference only.