

Total Rope & Wire Solutions : Stainless Wire Rope!



SM Rope & Wire Co., Ltd



- Profile

One of the most important changes of global trends is that customer's needs become diversified and they require producers to develop special metal and products to meet their needs.

In order to fill customer's needs and supply more useful value, SM Rope & Wire Co., Ltd. manufactures and provides special metal and products like High Performance SuperMax Rope and Round Sling, 4x4 Winch Rope called "Road Power", Nickel Free Stainless Steel Wire and Functional Stainless Steel Wire as well as general products like many types of Fiber products, Stainless steel Wires and Wire Ropes.

Especially, **SuperMax** type of products are the most advanced materials using **Ultra High Molecular Weight Polyethylene (UHMWPE)** in 21C and they are supplied to heavy industries and power plants by replacing steel products with UHMWPE products.

SM Rope & Wire Co., Ltd. is gearing up to churn out related products after successful test result applying successful test result applying UHMWPE to offroad and hot-air balloon.

Also, **Nickel Free Wire** which is used for earrings marks a new era in T-pin ornament industry. Its value has been highly evaluated material because ornaments and accessories including nickels or lead inflicting an inquiry upon a person could not be sold in EU and USA market after March 1, 2008.

SM Rope & Wire Co., Ltd. is the company which is responsible for the safety of our surroundings by providing many types of special products prevailed from in our body system to in the industry field.

Are you interested in special products even though their quantities are small? Please knock the door of SM Rope & Wire Co., Ltd.

SM Rope & Wire Co., Ltd. will help you to settle your question and worry with a **"Best Service, Best Quality, Best in Time"**.



- WIRE ROPE



Wire rope is a multi-purpose product being used in numerous industries for power transmission, load tolerance, tensile purposes and many other applications.

This product is utilized over a wide spectrum of industries including mine excavation, petroleum exploration and the fishing industry.

Shipping equipment, machinery, aircraft, cranes, elevators, car cables, and bridges also require our products.

Known for not only its quality, but for its price and after-service , this product is being exported to oversea nations.

Based on trust and a win-win partnership with our customers, the product is ordered again and again by consumers.

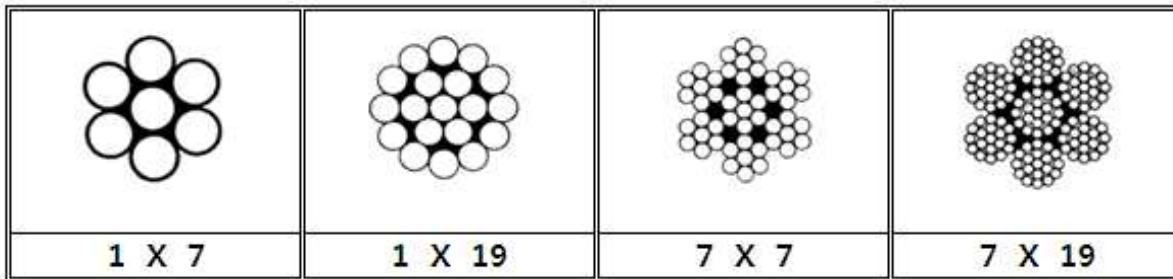
SM ROPE & WIRE has targeted high value-added products and special high-strength rope supply in order to create new products.


Specially, Offshore Wire Rope, a wire rope used in petroleum excavation, has received international acclaim for its design, raw material selection, coating, and technology.



1. Stainless Aircraft Cable

01. Control Cable for Automotive, Machine, Yachts.
02. General.



1 X 19				7 X 7			7 X 19		
DIA (mm)	W.T (kg/100m)	MBL(kN)		W.T (kg/100m)	MBL(kN)		W.T (kg/100m)	MBL(kN)	
		AISI304	AISI316		AISI304	AISI316		AISI304	AISI316
0.8				0.25	0.54	0.45			
1	0.51	0.9	0.8	0.4	0.8	0.7			
1.2	0.73	1.4	1.2	0.5	1.2	1.0			
1.5	1.15	2.1	1.9	0.9	1.7	1.5			
2	2.04	3.7	3.3	1.6	2.8	2.6	1.6	2.7	2.5
2.5	3.19	5.9	5.2	2.6	4.5	3.9	2.6	4.3	3.8
3	4.59	8.1	7.4	3.7	6.5	5.7	3.7	6.2	5.3
3.5	6.25	11.2	10.1	5.0	8.8	7.8	5.0	8.2	7.3
4	8.16	14.6	13.1	6.6	11.2	10.2	6.6	10.7	9.4
5	12.8	22.8	20.6	10.3	17.5	15.9	10.3	16.7	14.6
6	18.4	32.5	29.7	14.8	25.2	22.8	14.8	24.1	21.1
8	32.6	55.9	52.7	26.2	43.6	38.7	26.2	40.2	37.4
9	41.3	70.6	66.7	33.2	52.9	49.0	33.2	53.4	47.4
9.53	45	77.4	66.6	36.2	55.8	50.9	36.2	53.3	48.9
10	51	86.5	82.3	41.0	65.7	59.3	41.0	64.5	58.5
12	73.4	121.5	118.6	59.0	92.1	84.3	59.0	92.9	84.4
14	100	163.7	158.8	80.4	125.4	112.7	80.4	123.5	114.7
16	131	210.7	199.9	105.0	161.7	144.1	105.0	157.8	141.8
18	165	261.7	251.9	133.0	200.9	182.3	133.0	199.9	177.4
19	184	289.1	280.3	148.0	225.4	203.8	148.0	220.5	200.5
20	Cotroll Cable. Tention Cable.			164.0	246.0	226.4	164.0	244.0	215.6
22.2	Guide Rope. Cyckle Cable			204.0	297.9	278.3	204.0	295.0	259.7
24							236.0	338.1	299.9
25							256.0	367.5	334.2
26							277.0	397.9	351.8
28							321.0	453.4	410.8
30							369.0	520.4	471.4
32							420.0	575.3	533.1

2. Stainless steel Wire Rope.

Stainless steel wire rope is specially manufactured with client's requirements and it has two types of construction which are Cross Laid Wire Rope and Parallel Laid Wire Rope.

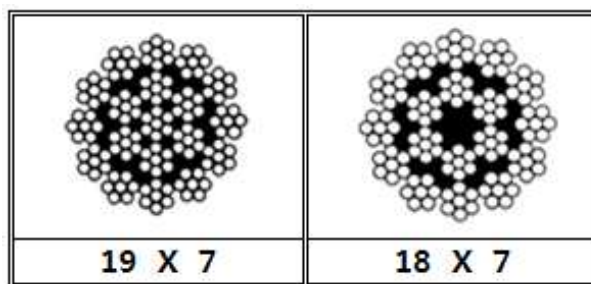
Also, we have been improving abrasion-resistance and fatigue-resistance by accurately design of wire and processing.

Therefore, stainless steel wire rope has high strength as well as good flexibility.

Because of high resistance to corrosion against seawater, stainless steel wire rope is widely used for sea-based structures.

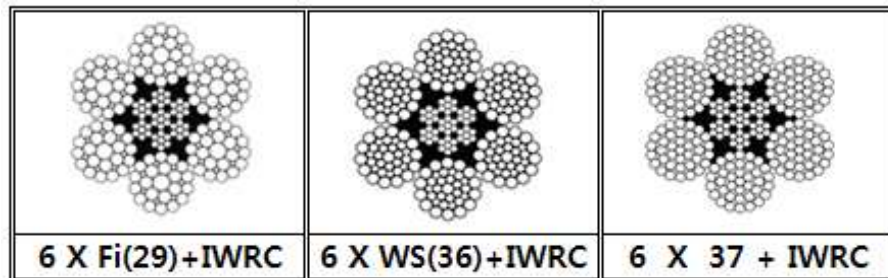
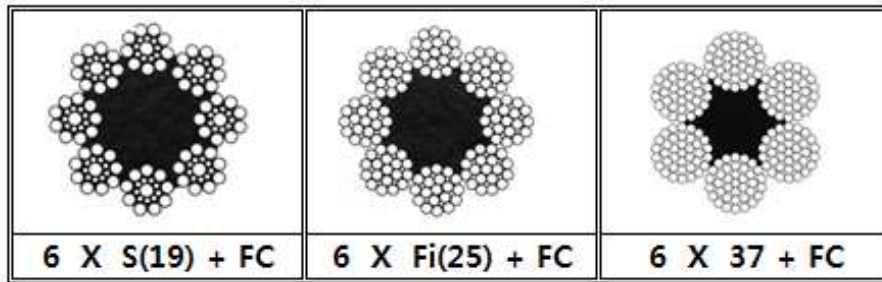
Depending on the grade, stainless steel wire rope has good structure stability in multiple environments (such as harmful atmospheric gas or heat) and it is widely used for marine rope which needs strong corrosion-resistance.

- Non Rotating Rope.



DIA (mm)	18 X 7+FC			19 X 7		
	W.T (kg/100m)	MBL(kN)		W.T (kg/100m)	MBL(kN)	
		AISI304	AISI316		AISI304	AISI316
8	25.6	35.1	32.0	26.9	37.0	32.9
9	32.4	44.3	40.5	34.0	46.8	41.7
10	40.0	54.8	50.0	42.0	57.9	51.5
11	48.4	66.4	60.5	50.8	70.1	62.2
12	57.6	78.8	71.9	60.5	83.3	74.1
13	67.6	92.6	84.4	71.0	97.8	86.9
14	78.4	106.8	97.9	82.3	113.7	100.9
15	90.0	122.5	111.7	94.5	129.4	114.7
16	102.0	139.2	127.4	108.0	148.0	131.3
18	130.0	177.4	162.7	136.0	187.2	166.6
19	144.0	198.0	180.3	152.0	207.8	185.2
20	160.0	218.5	199.9	168.0	231.3	205.8
22	194.0	265.6	242.1	203.0	280.3	248.9

- General Rope.

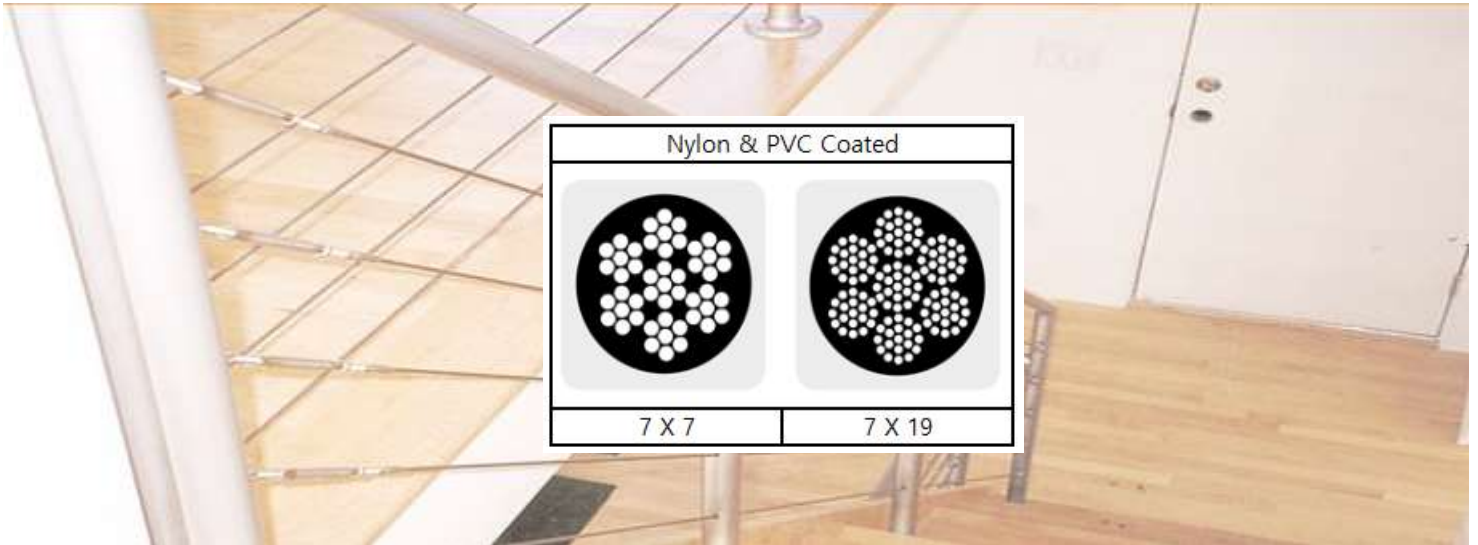


[Parallel Laid Wire Rope]

[Cross Laid Wire Rope]

6XS(19)+IWRC,6XW(19)+IWRC 6XFi(25)+IWRC,6XWS(26)+IWRC 6XWS(36)+IWRC,6XWS(31)+IWRC				6 X 37 + F.C						6 X 37 + IWRC		
DIA (mm)	W.T (kg/100m)	MBL(kN)		W.T (kg/100m)	MBL(kN)		W.T (kg/100m)	MBL(kN)				
		AISI304	AISI316		AISI304	AISI316		AISI304	AISI316			
8.00	26.9	40.3	35.8									
9.00	34.0	51.0	45.3									
10.00	42.0	63.0	55.9									
12.00	60.5	90.8	80.5	51.8	66.54	59.88	59.0	71.93	64.68			
13.00	71.0	106.4	94.5	60.8	78.11	70.27	69.3	84.38	75.85			
14.00	82.3	123.5	109.5	70.6	90.65	81.54	80.4	97.80	88.00			
15.00	94.5	141.8	125.7	81.0	102.90	92.61	92.3	112.70	104.37			
16.00	108	161.3	143.1	92.2	118.58	105.84	105	127.40	114.66			
18.00	136	204.1	181.10	117	149.94	134.26	133	161.70	145.04			
19.00	152	227.5	201.8	130	167.58	149.94	148	183.26	164.64			
20.00	168	252.1	223.5	144	185.22	166.60	164	199.92	179.34			
22.00	209	305.0	270.5	179	223.44	200.90	204	242.06	217.56			
24.00	242	362.9	321.9	207	266.56	239.12	236	287.14	257.74			
25.00	263	393.8	349.3	225	289.10	259.7	256	317.52	285.18			
26.00	284	425.9	377.8	243	312.62	281.26	277	337.12	302.82			
28.00	329	438.0	438.2	282	362.60	326.34	321	391.02	351.82			
30.00	378	567.1	503.0	324	418.46	376.32	369	451.78	405.72			
32.00	430	645.2	572.3	369	473.34	425.32	420	511.56	459.62			

- Coated Rope.



Construction	Rope Dia(mm)		Approx W.T		
	Inner	Outer	Inner Rope	Coated	Total W.T
			(kg/100M)	(kg/100M)	(kg/100M)
7 X 7	1.5	2.0	0.89	0.31	1.20
	1.6	2.4	0.90	0.34	1.24
	1.6	3.2	0.90	0.81	1.71
	2.4	3.2	2.30	0.47	2.77
	2.4	4.0	2.30	1.09	3.39
	3.2	4.8	4.10	1.37	5.47
	3.2	6.4	4.10	3.26	7.36
7 X 19	4.8	8.0	9.22	4.32	13.54
	3.2	6.4	4.10	1.36	5.46
	3.2	6.0	4.10	2.24	6.34
	3.2	6.4	4.10	3.26	7.36
	4.0	6.0	6.40	1.63	8.03
	4.8	6.4	9.22	1.90	11.12
	4.8	8.0	0.22	4.34	4.56
	6.4	8.0	16.40	2.44	18.84
	6.4	9.5	16.40	5.43	21.83
	8.0	10.0	25.60	4.46	30.06
9.5	12.0	36.90	5.24	42.14	



SM's Mind !

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Best Service !

Best Quality !

Best in Time !

Always together with Customer !



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