



# CATÁLOGO

CUERDAS/CABOS/SOGAS



# FISHERY PRODUCT LINE



## HIGH QUALITY UHMWPE

Is high quality UHMWPE rope product used for most demanding mooring and towing applications, The advanced equipment from Germany and Demark technology

Dia mm	Circ ins	Linear Density Ktex	MBL (KN)	
16	2	151	260	235
18	2-1/4	190	310	283
20	2-1/2	232	380	340
22	2-3/4	261	450	400
24	3	331	520	470
26	3-1/4	384	600	540
28	3-1/2	445	680	610
30	3-3/4	506	770	690
32	4	575	870	780
34	4-1/4	648	960	860
36	4-1/2	720	1040	940
38	4-3/4	798	1160	1040
40	5	881	1260	1130
44	5-1/2	1060	1460	1310
48	6	1250	1700	1530
52	6-1/2	1460	1970	1770
56	7	1690	2260	2030
60	7-1/2	1930	2330	2280
64	8	2200	2840	2560
68	8-1/2	2480	3170	2850
72	9	2780	3520	3170
76	9 1/2	3090	3890	3500
80	10	3430	4300	3870
88	11	4170	5200	4680
96	12	4970	6180	5560

Los cabos pueden ser fabricados según los requerimientos del cliente

# FISHERY PRODUCT LINE



**HIGH-END  
JACKETED ROPE**

Dia	Circ	Linear Density	MBL (KN)	
mm	ins	Ktex		
8	1	42	49	44.1
12	1-1/2	89	102	91.8
16	2	167	182	163.8
18	2-1/4	211	231	207.9
20	2-1/2	240	271	244
22	2-3/4	290	341	307
24	3	340	402	362
26	3-1/4	400	471	424
28	3-1/2	460	549	494
30	3-3/4	530	637	573
32	4	600	736	682
34	4-1/4	680	824	742
36	4-1/2	770	912	821
38	4-3/4	850	1010	909
40	5	940	1140	1030
44	5-1/2	1150	1380	1240
48	6	1360	1610	1450
52	6-1/2	1600	1920	1730
56	7	1850	2190	1970
60	7-1/2	2120	2520	2270
64	8	2400	2880	2590
68	8-1/2	2720	3260	2930
72	9	3070	3630	3270
76	9-1/2	3400	4020	3620
80	10	3750	4510	4060
88	11	4500	5350	4820
96	12	5300	6280	5650

Los cabos pueden ser fabricados según los requerimientos del cliente



# FISHERY PRODUCT LINE



## HIGH STRENGTH NYLON ROPE

Represents the high strength nylon rope, with the construction of 3/8/12-strand. It is made of high tenacity polyamide multifilament yarn, with features of excellent flexibility and shock absorption ability, good wear, UV and chemical resistance, which ensure the safety of ships in terrible weather.

Dia	Circ	Linear Density	MBL (KN)
mm	ins	Ktex	KN
4	1/2	9.87	4.3
8	1	39.5	16
10	1-1/4	61.7	24.5
12	1-1/2	88.8	34.5
14	1-3/4	121	46
16	2	158	57.5
18	2-1/4	200	72.5
20	2-1/2	247	92
22	2-3/4	299	110
26	3-1/4	417	145
30	3-3/4	555	195
36	4-1/2	800	305
40	5	987	360
48	6	1440	520
52	6-1/2	1700	610
56	7	1970	690
60	7-1/2	2260	770
64	8	2570	860
72	9	3250	1100
80	10	4010	1360
88	11	4860	1610
96	12	5780	1950
104	13	6780	2180
112	14	7870	2580
120	15	9030	2880
128	16	10100	3220
136	17	11600	3600
160	20	16100	5180

Los cabos pueden ser fabricados según los requerimientos del cliente

# FISHERY PRODUCT LINE



## SIX-STRAND CONSTRUCTION ROPE

Material 100% high  
Tenacity Polyamide,  
construction  
6-Strand Cross Lay,  
specific gravity 1.14,  
non-Floating

Dia	Circ	Linear Density	MBL (KN)
mm	ins	Ktex	KN
18	2-1/4	220	84.4
20	2-1/2	275	107
22	2-3/4	345	133
24	3	400	154
26	3-1/4	465	179
28	3-1/2	515	197
32	4	650	248
36	4-1/2	832	314
40	5	1000	377
44	5-1/2	1250	491
48	6	1460	579
52	6-1/2	1600	625
56	7	2000	770
60	7-1/2	2170	839
62	7-3/4	2350	910
64	8	2450	952
68	8-1/2	2800	1079
70	8-3/4	3100	1197
72	9	3350	1246
78	9-3/4	3640	1334
84	10-1/2	4250	1550
90	11-1/4	5050	1825
96	12	5850	2109

Los cabos pueden ser fabricados según los requerimientos del cliente

# FISHERY PRODUCT LINE



## *DOUBLE BRAID CONSTRUCTION*

Is a double braid construction made of a 100% high tenacity polyamide core and ultra wear-resistant polyester cover

Dia	Circ	Linear Density	MBL (KN)
mm	ins	Ktex	KN
4	1/2	10.3	4.3
6	3/4	23	10
8	1	41	17
10	1-1/4	64	26.5
12	1-1/2	92	38
14	1-3/4	126	52
16	2	164	68
18	2-1/4	207	86
20	2-1/2	255	106
22	2-3/4	309	128
28	3-1/2	501	198
36	4-1/2	828	328
44	5-1/2	1238	483
48	6	1473	575
56	7	2009	795
60	7-1/2	2297	900
64	8	2616	1035
72	9	3306	1250
80	10	4089	1545
88	11	4954	1870
96	12	5892	2240
104	13	6911	2670
112	14	8024	3070
120	15	9196	3500

Los cabos pueden ser fabricados según los requerimientos del cliente

# FISHERY PRODUCT LINE



**HIGH  
STRENGTH  
POLYPROPYLENE/PP  
ROPES**

Dia	Circ	Linear Density	MBL (KN)
mm	ins	Ktex	KN
4	1/2	7.23	3.2
6	3/4	16.3	7
8	1	28.9	11.5
10	1-1/4	45.2	17.2
12	1-1/2	65.1	24
14	1-3/4	88.6	32
16	2	116	43
18	2-1/4	146	52
20	2-1/2	181	64.5
22	2-3/4	219	77
26	3-1/2	306	103.5
30	3-3/4	407	136
36	4-1/2	586	195
40	5	723	240
46	6	1040	345
52	6-1/2	1220	408
56	7	1420	460
60	7-1/2	1630	520
64	8	1850	575
72	9	2340	725
80	10	2890	920
88	11	3500	1090
96	12	4170	1290
104	13	4890	1510
112	14	5670	1720
120	15	6510	1950
128	16	7410	2300
136	17	8060	2570
144	18	9370	2875
160	20	11600	3450

Los cabos pueden ser fabricados según los requerimientos del cliente

# FISHERY PRODUCT LINE

***CONSTRUCTED WITH  
A LIGHTWEIGHT  
AND HIGH  
PERFORMANCE***

Is constructed with a lightweight and high performance multifilament polypropylene core and a super strength and wear-resistant polyester cover

Dia	Circ	Linear Density	MBL (KN)
mm	ins	Ktex	KN
4	1/2	8.4	2.8
6	3/4	18.8	6.2
8	1	33	11
10	1-1/4	52	17.2
12	1-1/2	75	25
14	1-3/4	102	33
16	2	133	44
18	2-1/4	168	56
20	2-1/2	208	69
22	2-3/4	252	84
24	3	299	99
26	3-1/2	404	136
32	4	528	177
36	4-1/2	.668	224
40	5	825	276
44	5-1/2	1006	338
48	6	1190	407
52	6-1/2	1390	472
56	7	1610	545
60	7-1/2	1850	620
64	8	2090	706
72	9	2640	882
80	10	3290	1075
88	11	3950	1280
96	12	4710	1500
104	13	5480	1740
112	14	6390	1950
120	15	7350	2310

Los cabos pueden ser fabricados según los requerimientos del cliente



# FISHERY PRODUCT LINE

## *HIGH-TENACITY MIXED ROPES*

Represents the high-tenacity mixed ropes, with the construction of 3/6/8/12-strand. It has higher strength, flexibility and wear resistance than conventional composite rope due to special mix-branding

Dia	Circ	Linear Density	MBL (KN)
mm	ins	Ktex	KN
6	3/4	17.5	7
8	1	31	12.3
10	1-1/4	48.5	18.8
12	1-1/2	69.9	26.5
14	1-3/4	95.1	36
16	2	124	46
18	2-1/4	157	58
20	2-1/2	194	79
24	3	279	110
28	3-1/2	380	149
32	4	479	192
36	4-1/2	629	240
40	5	776	295
48	6	1110	420
52	6-1/2	1320	488
56	7	1520	562
60	7-1/2	1750	640
64	8	1990	725
72	9	2520	907
80	10	3110	1107
88	11	3750	1334
96	12	4470	1575
104	13	5660	1828
112	14	6050	2116
120	15	6980	2415
128	16	7950	2725
136	17	8950	3060
144	18	10100	3415
160	20	12500	4175

Los cabos pueden ser fabricados según los requerimientos del cliente

# FISHERY PRODUCT LINE

## *HIGH TENACITY MIXED PP AND POLYESTER FIBER*

Material high tenacity PP multifilament and polyester fibers, construction double brand, specific gravity 0.95-0.98. floating

Dia	Circ	Linear Density	MBL (KN)
mm	ins	Ktex	KN
4	1/2	9	3
6	3/4	20.2	7
8	1	36	12.5
10	1-1/4	56	19
12	1-1/2	81	26.5
14	1-3/4	110	36
16	2	143	47
18	2-1/4	181	60
20	2-1/2	224	80
22	2-3/4	271	90
24	3	325	112
28	3-1/2	430	152
32	4	576	195
36	4-1/2	732	250
40	5	902	305
44	5-1/2	1093	373
48	6	1300	437
52	6-1/2	1525	510
56	7	1773	590
60	7-1/2	2035	670
64	8	2310	764
72	9	2924	973
80	10	3610	1190
88	11	4371	1442
96	12	5207	1726
104	13	6112	2020
112	14	7062	2350
120	15	8127	2677

Los cabos pueden ser fabricados según los requerimientos del cliente

# TWINE

## PP MULTIFILAMENT TWINE

Material: PP multifilament  
 Size/ 210D/2-210D/120  
 Color/ Any color available  
 Weight/ 30g-500g/pc or as request

## NYLON MULTIFILAMENT TWINE

Material: Nylon multifilament  
 Size/ 210D/2-210D/120  
 Color/ Any color available  
 Weight/ 30g-500g/pc or as request

## POLYESTER MULTIFILAMENT TWINE

Material: Polyester multifilament  
 Size/ 210D/2-210D/120  
 Color/ Any color available  
 Weight/ 30g-500g/pc or as request

Especification	QTY/CTN	N.W.(KG)	G.W.(KG)	MEAS. (LXWXH) (cm)
4" 1/8lb	400	22.68	27	40x39x62
4" 50g	500	25	27	40x39x62
4" 1/4lb	200	22.68	27	43x27x60
4" 100g	250	25	27	49x26x60
4" 200g	125	25	27	35x35x60
4" 1/2 lb	100	22.68	27	77x38x29
6" 200g	100	20	24	60x32x36
6" 500g plastic shelt	50	25	28	42x42x35
6" 500g plastic shelt	80	40	44	64x41x35
6" 1 lb plastic shelt	50	22.68	27	40x40x35
4" 125g funnel. spool	200	25	32	66x32x59
4" 129g funnel. spool	100	19.5	28	86x41x32
4" 250g funnel. spool	100	25	33.5	86x41x34
10" 2.5kg plastic shelt	10	25	29	88x36x31



Los cabos pueden ser fabricados según los requerimientos del cliente

# TWINE

## PE MONO TWINE

Material/ Polyethylene  
Size/ 360D/6 to 380D/150  
Structure/ 3 strands  
Packing/ spool, bundle, hank or reel  
Color/ Any color available

## COTTON TWINE

Material/ Cotton  
Size/ 0.5mm to 3mm  
Structure/ 1,2,3, ply  
Packing/ spool, ball or as request  
Color/ natural white or dyed color  
Remark/ waxed cotton twine also available

## JUTE TWINE

Material: natural jute fibre  
Size/ 0.5mm to 3mm  
Structure/ 1,2,3, ply  
Packing/ spool, ball or as request  
Color/ natural white or dyed color  
Remark/ waxed cotton twine also available

## PP FILM TWINE

Material: pp splitfilm or film  
Size/ 200m/kg to 5000m/kg  
Structure/ 1,2,3, ply twisted or non-twisted  
Packing/ spool, ball  
Color/ any color available

## BRAIDED TWINE

Material/ PP,PE, polyester, nylon or others  
Structure/ 8 or 16 strand braided  
Size/ 0.5mm to 3mm  
Packing/ spool, reel or as request  
Color/ any color available

## VINYLON/POLYESTER TWINE

Material/ vinylon/polyester mixed  
Structure/ 10s/12 to 10s/60  
Size/ 3 strands  
Packing/ spool, reel or as request  
Color/ natural white

## PAPER TWINE

Material/ paper  
Size/ 0.5mm to 3mm  
Structure/ 1,2,3ply  
Packing/ spool, reel or as request  
Color/ color available

## SISAL TWINE

Material: Sisal fibre  
Structure/ 1,2 or 3ply  
Packing/ spool or ball  
Color/ color available



Specification  
Dia.(mm)  
m/kg

0.20	0.25	0.30	0.33	0.40	0.50	0.60	0.80	1.00
2.55	2.25	2.07	1.98	1.80	1.62	1.46	1.27	0.90
200	250	300	330	400	500	600	800	1000

# ROPE

## 8 STRANDS BRAIDED

Material/ PP, cotton, nylon, polyester  
 Structure/ 8 strands diamond braided  
 Size/ 2mm to 40mm  
 Packing/ coil, hank, reel or as request  
 Color/ any color available

## 16 STRANDS BRAIDED ROPE

Material/ PP, cotton, nylon, polyester  
 Structure/ 16 strands diamond braided  
 Size/ 2mm to 40mm  
 Packing/ coil, hank, reel or as request  
 Color/ any color available  
 Remark/ 32 strands braided rope and braid over braid available

## 24 STRANDS BRAIDED ROPE

Material/ PP, cotton, nylon, polyester  
 Structure/ 24 strands diamond braided  
 Size/ 2mm to 40mm  
 Packing/ coil, hank, reel or as request  
 Color/ any color available  
 Remark/ 48 strands braided available



DIAMOND BRAID			Cotton (CT)		Nylon (NY)		Polyester (PE)		Polypropylene (MF)	
DIAMETER (inch)	SIZE (mm)	LEGTH (feet)	Av.tensile strength (ib)	Approx. spool wt. (ib)	Av.tensile strength (ib)	Approx. spool wt. (ib)	Av.tensile strength (ib)	Approx. spool wt. (ib)	Av.tensile strength (ib)	Approx. spool wt. (ib)
3/32	3.0	3000	*	9	300	11	350	11	200	14
1/8	4.0	3000	*	15	400	15	400	16	250	15
5/32	5.0	3000	*	25	500	17	600	18	350	17
3/16	6.0	1000	*	13	700	10	800	12	475	9
7/32	7.0	1000	*	16	900	15	900	18	750	11
1/4	8.0	1000	*	18	1200	17	1200	21	1000	12
5/16	10.0	1000	*	30	1750	26	1800	28	1500	20
3/8	12.0	1000	*	39	2300	35	2400	38	2250	29
1/2	16.0	500	*	40	3500	22	3800	32	2900	20

# ROPE

## *POLYESTER SOLID BRAIDED ROPE*

Structure 12,18 or 20 strands braided  
 Size 3mm to 32mm  
 Packing coil, hank, reel or as request  
 Color any color available

## *PP SOLID BRAIDED ROPE*

Structure 12,18 or 20 strands braided  
 Size 3mm to 32mm  
 Packing coil, hank, reel or as request  
 Color any color available

## *NYLON SOLID BRAIDED ROPE*

Structure 12,18 or 20 strands braided  
 Size 3mm to 32mm  
 Packing coil, hank, reel or as request  
 Color any color available

DIAMOND BRAID			Cotton (CT)		Nylon (NY)		Polyester (PE)		Polypropylene (MF)	
DIAMETER (inch)	SIZE (mm)	LEGTH (feet)	Av.tensile strength (ib)	Approx. spool wt. (ib)	Av.tensile strength (ib)	Approx. spool wt. (ib)	Av.tensile strength (ib)	Approx. spool wt. (ib)	Av.tensile strength (ib)	Approx. spool wt. (ib)
3/32	3.0	3000	*	*	325	12	325	12	200	14
1/8	4.0	3000	100	15	575	16	400	18	250	15
5/32	5.0	3000	160	25	720	23	550	24	350	28
3/16	6.0	1000	240	15	825	11	820	11	378	10
7/32	7.0	1000	340	18	975	16	950	17	405	14
1/4	8.0	1000	750	20	1325	18	1300	19	530	15
5/16	10.0	1000	1200	32	1925	27	1750	29	765	21
3/8	12.0	1000	1475	43	2800	38	2700	39	1080	28
1/2	16.0	500	1700	35	4200	29	4500	33	1845	18
5/8	20.0	500	2000	40	7200	32	7300	39	2870	21
3/4	24.0	500	2400	44	7800	86	*	*	3300	54
1	32.0	200	*	*	8600	78	*	*	3900	62



# ROPE

DIAMETER (inch)	SIZE (mm)	LENGTH (feet)	AV. TENSILE STRENGTH (lb)	APPROX. SPOOL WT. (lb)
1/8	4.0	3000	200	10
3/16	6.0	2000	450	12
7/32	7.0	1000	975	7
1/4	8.0	1000	1000	9
5/16	10.0	1000	1500	12
3/8	12.0	1000	2100	16
1/2	16.0	1000	2675	30
5/8	20.0	500	3000	25
3/4	24.0	500	3300	35

## ***HOLLOW BRAIDED ROPE***

Material/ PE, cor PP mono

Structure/8 or 16 strands

Size/ 3mm to 20mm

Packing/ coil, hank, reel or as request

Color/ any color available

Usage/ used as ski rope in different length  
with some accessories



# ROPE

## *SHOCK CORD (BUNGEE)*

Material/ Nylon, Polyester and PP(outer)  
Rubber (Inner)

Structure/16 or 32 strands

Size/ 3mm to 20mm

Packing/ coil, hank, reel or as request

Color/ any color available

Usage/ used as ski rope in different  
length with some accessories



DIAMETER (inch)	SIZE (mm)	LENGTH (feet)	AV. TENSILE STRENGTH (ib)	APPROX. SPOOL WT. (ib)
1/8	4.0	500	125	5
3/16	6.0	500	200	6
1/4	7.0	500	275	10
5/16	8.0	300	325	11
3/8	10.0	200	375	11
1/2	12.0	150	450	.10
5/8	16.0	150	500	22.5
3/4	20.0	100	1000	18
7/8	24.0	100	1400	22
1	25.0	100	1500	26



# ROPE

## *DOUBLE BRAIDED ROPE*

Material/ PP, cotton, nylon, polyester  
Structure/ 16 or 32 strands  
Size/ 6mm to 40mm  
Packing/ coil, hank, reel or as request  
Color/ any color available

## *PE ROPE*

Material/ PE mono  
Structure/ 3 or 4 strands  
Size/ 2mm to 60mm  
Packing/ coil, hank, reel or as request  
Color/ any color available

## *FIBRE ROPE*

Material/ cotton, polyester, vinylon or vinylon or vinylon/polyester mixed  
Structure/ 3 or 4 strands  
Size/ 3mm to 40mm  
Color/ only natural white  
Packing/ coil, hank reel or as request  
Remark/ Made with splice or thimble in one or both ends as request.

## *SPLITFILM ROPE*

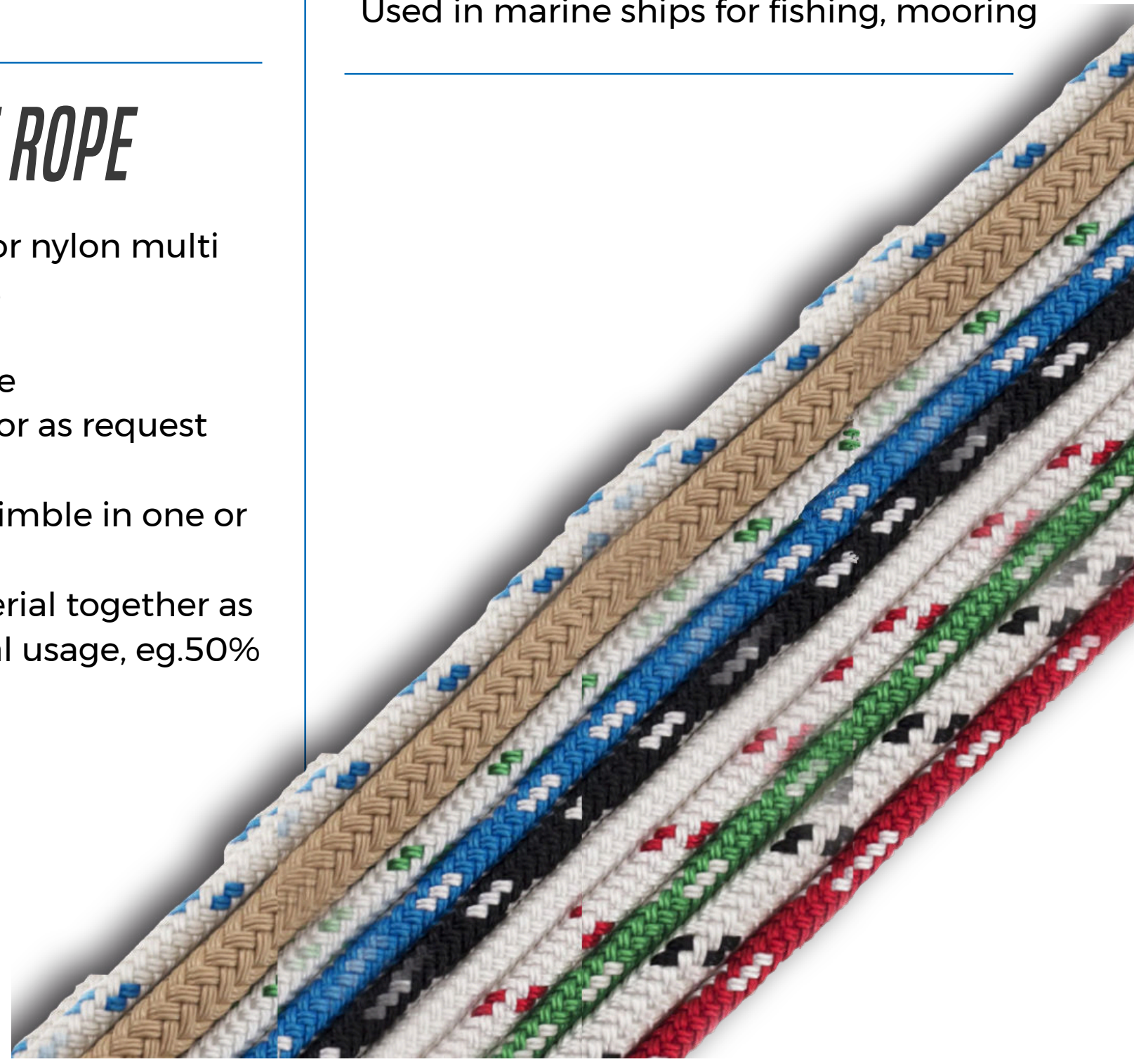
Material/ PP or PE  
Structure/ 3 or 4 strands  
Size/ 3mm to 40mm  
Packing/ any color available  
Color/ coil, hank, reel or as request

## *MULTIFILAMENT ROPE*

Material/ PP, polyester, or nylon multi  
Structure/ 3 or 4 strands  
Size/ 3mm to 40mm  
Color/ any color available  
Packing/ coil, hank reel or as request  
Remark/  
1.Made whit splice or thimble in one or both ends as request  
2.Made of any two material together as request for some special usage, eg.50% polyester /50% PP.

## *PP ROPE*

Material/ PP mono or danline  
Structure/ 3 or 4 strands  
Size/ 2mm to 60mm  
Packing/ coil, hank, reel or as request  
Color/ any color available  
Used in marine ships for fishing, mooring



# ROPE

## 6 STRANDS SYNTHETIC FIBRE ROPE

Material: polyamide monofilament and multifilament

Size: 32mm to 96mm

Packing: coil

Color: white



SIZE		Polyamide monofilament & Polyamide multifilament	
Diam. mm	Cir.inch	Weight kg/220m	Breaking Strength tonf
32	4	144	21.5
36	4-1/2	183	25.5
38	4-3/4	202	27.5
40	5	230	31.0
44	5-1/2	275	42.0
48	6	326	50.0
52	6-1/2	361	54.0
56	7	440	66.5
60	7-1/2	475	70.0
62	7-3/4	518	80.0
64	8	540	81.0
68	8-1/2	616	94.0
70	8-3/4	682	103
72	9	716	106
78	9-3/4	900	120
84	10-1/2	940	140
90	11-1/4	1110	165
96	12	1290	190

# ROPE

## 8 STRANDS HAWSER

Material: PP danline or multi, polyester nylon or dyneema

Size: 24mm to 120mm

Packing: coil

Color: any color for pp, only white for other material

Remark:

1. Can be spliced in one or both ends
2. Can supply with certificate of Lloyd or CE

## ROPE WITH STEEL

Material: PP or vinylon and steel wire

Structure: 6 strands

Size: 14mm to 42mm

Packing: coil and standard length 220m, please specify the Dia, and length when ordering



ROPE	Dia. mm		Weight KG/220m (pp)	Weight KG/220m (vinylon)	MBL tonf
	ROPE	STEEL			
14	2.7	3.1	60	64	3.85
			67	72	4.75
16	2.7	3.1	65	70	3.85
			73	78	4.76
18	3.7	4.0	102	110	7.04
			112	122	8.00
20	4.0	4.3	120	129	8.10
			130	140	9.30
22	4.0	4.3	128	138	8.10
			140	150	9.30
24	5.5	6.0	205	219	15.4
			235	253	18.9
26	6.0	6.7	245	262	18.9
			282	302	22.8
28	6.7	7.3	290	309	22.8
			327	350	27.3
30	7.3	7.9	347	371	27.3
			387	415	32.2
32	7.9	8.5	408	437	32.2
			447	479	37.2
42	7.9		474	509	32.2

# ROPE

## ***ELECTRIC ROPE***

Material: PE and s/steel or wire

Size: 2mm to 8mm

Packing: coil, spool or rel

Color: any color available

Usage: used for fence in pasture to keep animals in

## ***PE PACKING ROPE***

Material: PE,

Structure:16 strands

Size: 60, 65 or 80cm long

Packing: 100 pcs/hank, 10 hanks/bundle 5 bundles/ctn

Color: any color available

## ***SKI ROPE***

Material: PE monofilament

Size: 3/8", 1/2"

Packing:hank or as request

Color: any color available

Remark: supply any length and accesories as request

## ***TOW ROPE***

Material: PE, PE or Nylon

Size: 3/8", 1/2"

Color: any color available

Type	Size	MBL (Tons)			Length
		PE	PP	nylon	
Braided	40MM	1.0	1.5	2.0	4M
	42MM	1.3	2.0	2.8	4M
	44MM	1.8	2.5	3.2	4M
	46MM	2.0	3.0	4.1	4M
	52MM	3.6	5.0	6.8	4M
3-Strand	16MM	2.8	3.7	5.3	4M
	18MM	3.5	4.8	6.7	4M
	20MM	4.3	5.8	8.3	4M
	24MM	6.1	8.1	12	4M
	26MM	7.0	9.4	14	4M



# FISHING LINE

## *FISHING LINE*

Material: nylon monofilament  
Size: 0.20mm to 2mm  
Packing: spool, hank or as request  
Color: color available  
Remark:varous mowing line also available

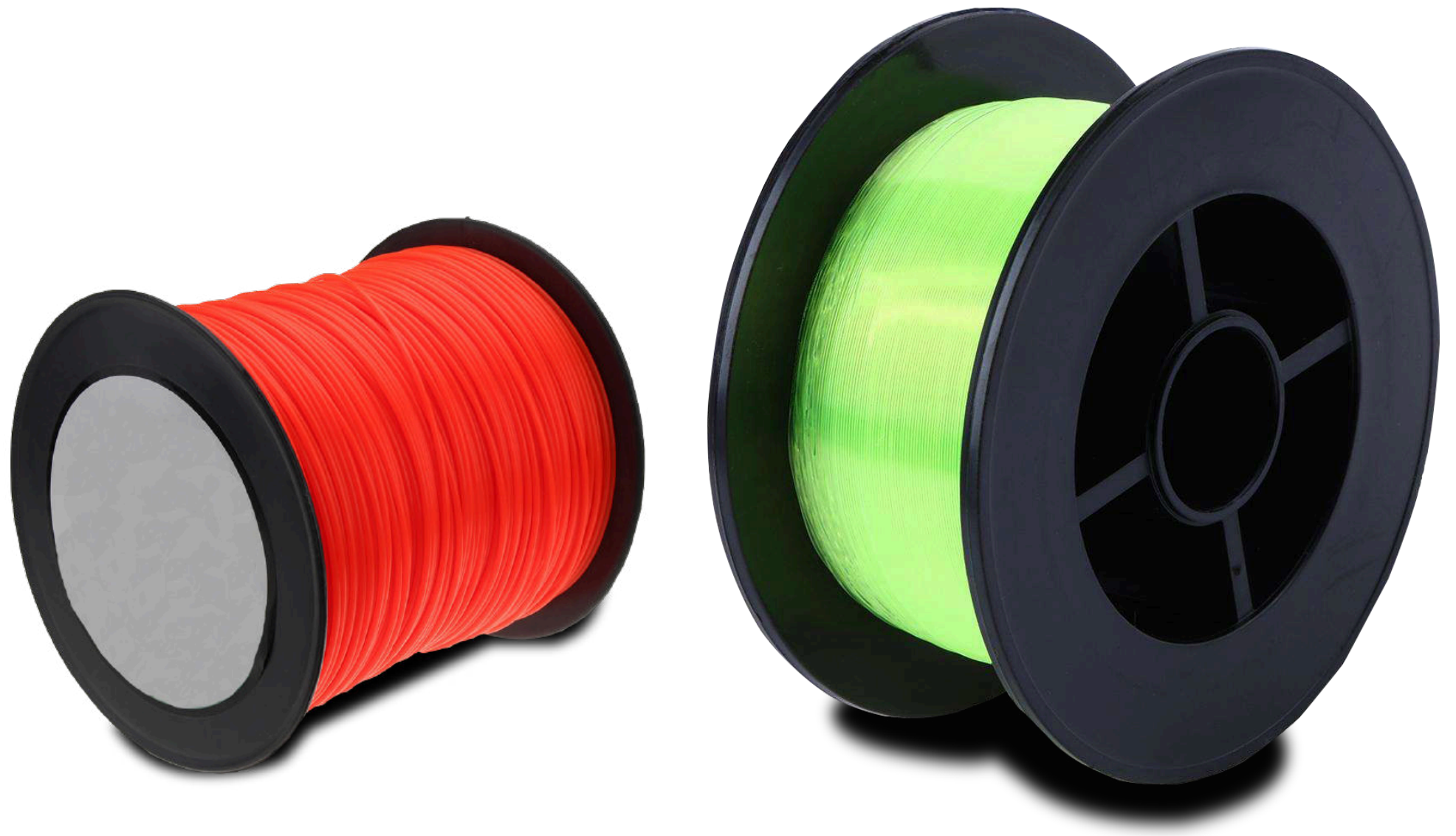
## *BUILDER LINE*

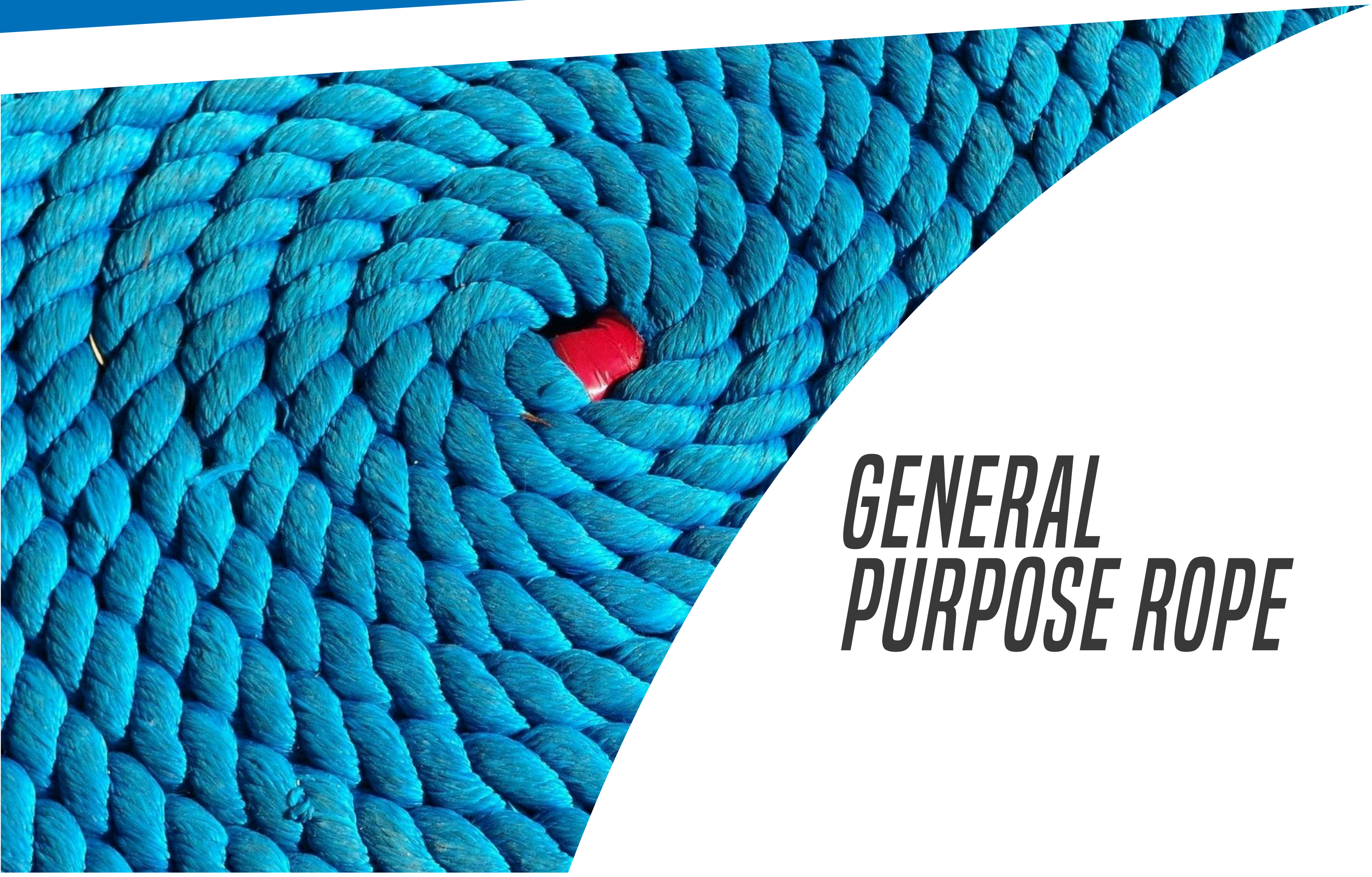
Material: nylon monofilament  
Size: 0.80mm to 3mm  
Packing: spool, hank or as request  
Color: color available

## *TRIMER LINE*

Material: nylon monofilament  
Size: 1mm to 4mm  
Packing: card, reel or as request  
Color: any color available  
Shape: round square or hexagon

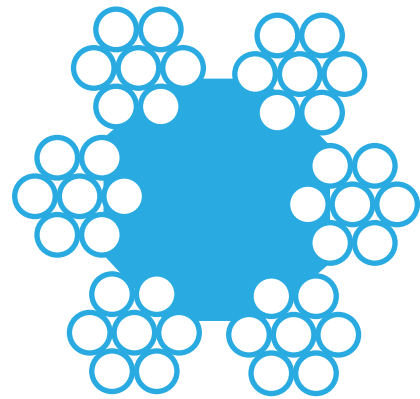
DIAMETER (mm)	HT30		HT40	
	weight(D)	strength(kg)	weight(D)	strength(kg)
0.10	88	0.87	88	0.99
0.15	176	1.62	176	1.86
0.20	330	2.70	330	3.10
0.30	770	5.90	770	6.70
0.40	1320	9.70	1320	11.00
0.50	1980	14.40	1980	16.20
0.60	3080	19.70	3080	21.80
0.70	3960	23.60	3960	26.30
0.90	6600	35.70	6600	39.70
1.00	8800	45.70	8800	50.80





***GENERAL  
PURPOSE ROPE***

# SPECIAL PURPOSE ROPE



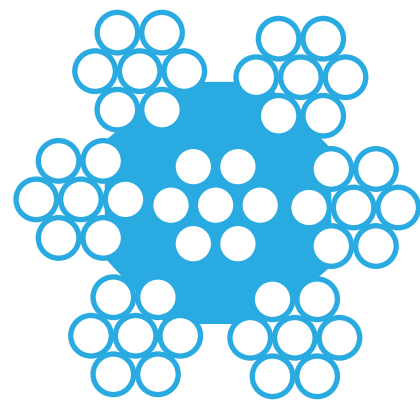
**6X7+FC**

**USAGE:**

*MINING, STAY, LOGGING,  
TRAMWAY, MARINE*

Diameter mm	Min.Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>	
2	2.22	2.35	1.40	2.22	2.35	1.38
3	4.99	5.29	3.16	4.99	5.29	3.11
4	8.87	9.40	5.62	8.87	9.40	5.52
5	13.90	14.70	8.78	13.90	14.70	8.63
6	20.00	21.20	12.60	20.00	21.20	12.40
7	27.20	28.80	17.20	27.10	28.80	16.90
8	35.50	37.60	22.50	35.50	37.60	22.10
9	44.90	47.60	28.40	44.90	47.60	27.90
10	55.40	58.80	35.10	55.40	58.80	34.50
11	67.10	71.10	42.50	67.10	71.10	41.70
12	79.80	84.60	50.50	79.80	84.60	49.70
13	93.70	99.30	59.30	93.70	99.30	58.30
14	109.00	115.00	68.90	109.00	115.00	67.60
16	142.00	150.00	89.90	142.00	150.00	88.30
18	180.00	190.00	114.00	180.00	190.00	112.00
20	222.00	235.00	140.00	222.00	235.00	138.00
22	268.00	284.00	170.00	268.00	284.00	167.00
24	319.00	338.00	202.00	319.00	338.00	199.00
26	375.00	397.00	237.00	395.00	397.00	233.00
28	435.00	461.00	275.00	435.00	461.00	270.00
32	568.00	602.00	359.00	568.00	602.00	353.00

# SPECIAL PURPOSE ROPE



**6X7+IWS**

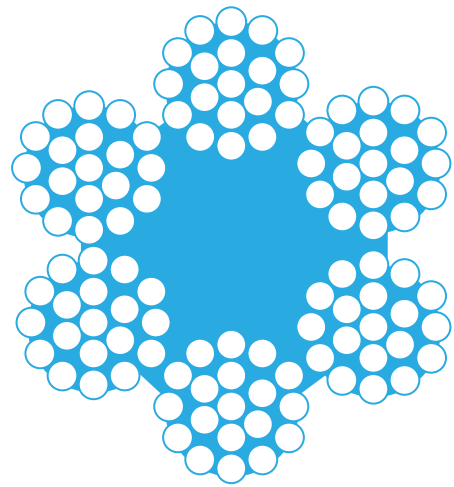
**USAGE:**

*MINING, STAY, LOGGING,  
TRAMWAY, MARINE*

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>	
2	2.40	2.54	1.55	2.59	2.75	1.54
3	5.40	5.72	3.48	5.83	6.18	3.46
4	9.59	10.20	6.19	10.37	10.99	6.14
5	15.00	15.90	9.68	16.20	17.17	9.60
6	21.60	22.90	13.90	23.33	24.72	13.80
7	29.40	31.10	19.00	31.75	33.65	18.80
8	38.40	40.70	24.80	41.47	43.95	24.60
9	48.60	51.50	31.30	52.48	55.63	31.10
10	60.00	63.50	38.70	64.80	68.68	38.40
11	72.50	76.90	46.80	78.40	83.10	46.50
12	86.30	91.50	55.70	93.31	98.89	55.30
13	101.00	107.00	65.40	110.00	116.00	64.90
14	118.00	125.00	75.90	127.00	135.00	75.30
16	153.00	163.00	99.10	166.00	176.00	98.30
18	194.00	206.00	125.00	210.00	223.00	124.00
20	240.00	254.00	155.00	259.00	275.00	154.00
22	290.00	308.00	187.00	314.00	332.00	186.00
24	345.00	366.00	223.00	373.00	396.00	221.00
26	405.00	430.00	262.00	438.00	464.00	260.00
28	470.00	498.00	303.00	508.00	538.00	301.00
32	614.00	651.00	396.00	664.00	703.00	393.00



# SPECIAL PURPOSE ROPE



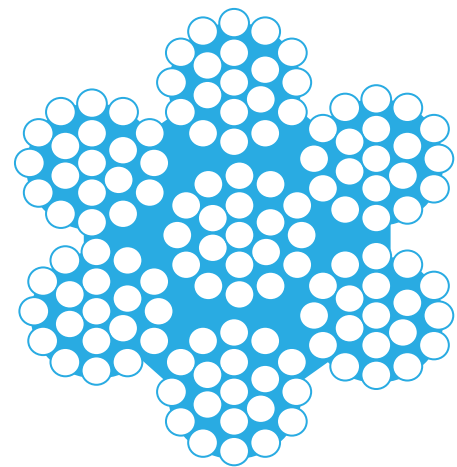
**6X19+FC**

**USAGE:**

*HOIST, MARINE, RAMWAY,  
GENERAL INDUSTRY, CRANE*

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
3	4.61	4.89	3.16	4.89	5.42	3.11
4	8.20	8.69	5.62	8.69	9.63	5.54
5	12.80	13.60	8.78	13.60	15.00	8.65
6	18.50	19.60	12.60	19.60	21.70	12.50
7	25.10	26.60	17.20	26.60	29.50	17.00
8	32.80	34.80	22.50	34.78	38.51	22.14
9	41.60	44.00	28.40	44.01	48.74	28.03
10	51.30	54.40	35.10	54.34	60.17	34.60
11	62.00	65.80	42.50	65.75	72.81	41.87
12	73.80	78.20	50.50	78.25	86.65	49.82
13	86.60	91.80	59.30	91.83	102.00	58.47
14	100.00	107.00	68.80	106.00	118.00	67.87
16	131.00	139.00	89.80	139.00	154.00	88.58
18	166.00	176.00	114.00	176.00	195.00	112.00
20	205.00	217.00	140.00	217.00	241.00	138.00
22	248.00	263.00	170.00	263.00	291.00	167.00
24	295.00	313.00	202.00	312.00	347.00	199.00
26	346.00	367.00	237.00	367.00	407.00	234.00
28	402.00	426.00	275.00	426.00	472.00	271.00
32	525.00	557.00	359.00	556.00	616.00	354.00

# SPECIAL PURPOSE ROPE



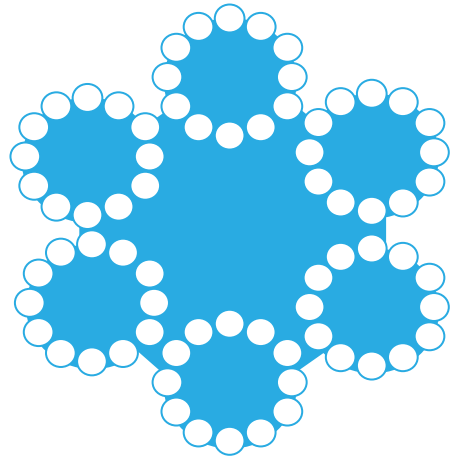
**6x19+1WS**

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
3	4.99	5.29	3.60	5.77	6.39	3.43
4	8.87	9.40	6.40	10.30	11.40	6.10
5	13.90	14.70	10.00	16.00	17.70	9.53
6	20.00	21.20	14.00	23.10	25.50	13.70
7	27.20	28.80	19.60	31.40	34.80	18.70
8	35.50	37.60	25.60	41.01	45.41	24.38
9	44.90	47.60	32.40	51.90	57.47	30.86
10	55.40	58.80	40.00	64.07	70.95	38.10
11	67.10	71.10	48.40	77.53	85.85	46.10
12	79.80	84.60	57.60	92.27	102.17	54.86
13	93.70	99.30	67.60	108.29	119.91	64.39
14	109.00	115.00	78.40	126.00	139.00	74.68
16	142.00	150.00	102.00	164.00	182.00	97.54
18	180.00	190.00	130.00	208.00	230.00	123.00
20	222.00	235.00	160.00	256.00	284.00	152.00
22	268.00	284.00	194.00	310.00	343.00	184.00
24	319.00	338.00	230.00	369.00	409.00	219.00
26	375.00	397.00	270.00	433.00	480.00	258.00
28	435.00	461.00	314.00	502.00	556.00	299.00
32	568.00	602.00	410.00	656.00	727.00	390.00

## **USAGE:**

*HOIST, MARINE, RAMWAY, GENERAL INDUSTRY, CRANE*

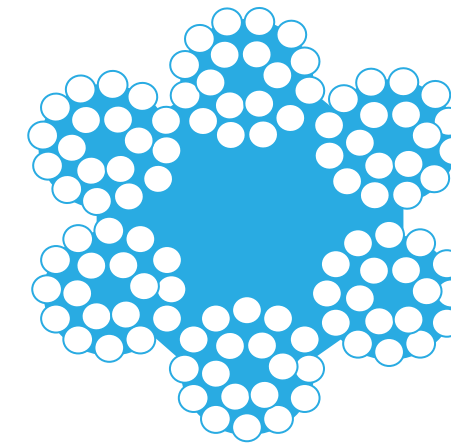
# SPECIAL PURPOSE ROPE



**6x12+7FC**

**USAGE:**  
MARINE, GENERAL  
INDUSTRY, LASHING

Diameter mm	Min.Breaking Load(kN)			Approx. Weight (Kg/100m)
	1570 N/mm <sup>2</sup>	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>	
3	2.95	3.14	3.33	2.26
4	5.25	5.58	5.92	4.02
5	8.20	8.73	9.25	6.28
6	11.80	12.56	13.32	9.04
8	21.00	22.30	23.70	16.10
9	26.60	28.30	30.00	20.30
10	32.80	34.90	37.00	25.10
12	47.30	50.30	53.30	36.10
14	64.30	68.40	72.50	49.20
16	84.00	89.40	94.70	64.30
18	106.00	113.00	120.00	81.30
20	131.00	140.00	148.00	100.00

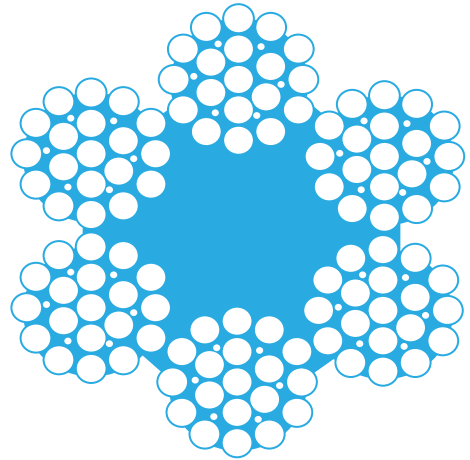


**6x24+7FC**

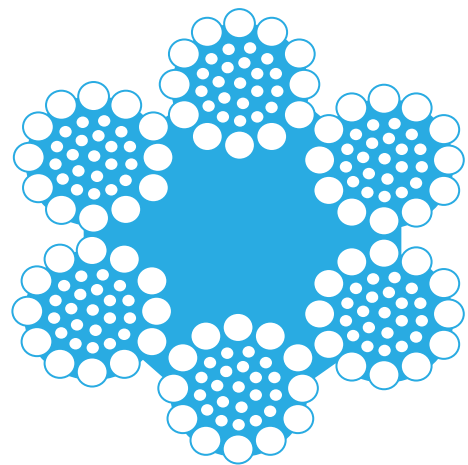
**USAGE:**  
MARINE, GENERAL  
INDUSTRY, FISHING

Diameter mm	Min.Breaking Load(kN)		Approx. Weight (Kg/100m)
	1570 N/mm <sup>2</sup>	1670 N/mm <sup>2</sup>	
8	28.10	29.90	20.40
9	35.60	37.90	25.80
10	44.00	46.80	31.80
11	53.20	56.60	38.50
12	63.30	67.30	45.80
13	74.30	79.00	53.70
14	86.20	91.60	62.30
16	113.00	120.00	81.40
18	142.00	152.00	103.00
20	176.00	187.00	127.00
22	213.00	226.00	154.00
24	253.00	269.00	183.00
26	297.00	316.00	215.00
28	345.00	367.00	249.00
32	450.00	479.00	326.00

# SPECIAL PURPOSE ROPE



**6xFl(25)+FC**



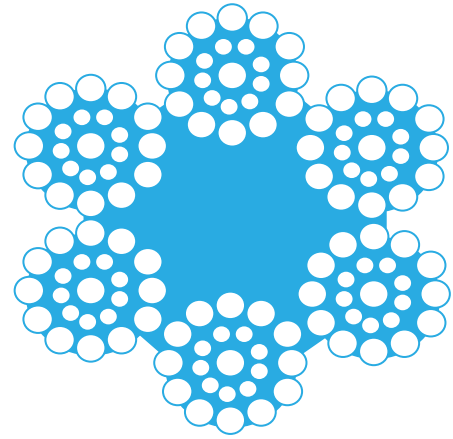
**6xWS(26)+FC**

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
6	19.80	21.00	13.70	21.00	23.30	12.90
7	27.00	28.60	18.60	28.60	31.70	17.60
8	35.30	37.40	24.30	37.40	41.40	23.00
9	44.60	47.30	30.80	47.30	52.40	29.10
10	55.10	58.40	38.00	58.40	64.70	35.90
11	66.70	70.70	45.60	70.70	78.30	43.30
12	79.40	84.10	54.70	84.10	93.10	51.70
13	93.10	98.70	64.20	98.70	109.00	60.70
14	108.00	114.00	74.50	114.00	127.00	70.40
16	141.00	150.00	97.30	150.00	166.00	91.90
18	179.00	189.00	123.00	189.00	210.00	116.00
20	220.00	234.00	152.00	234.00	259.00	144.00
22	267.00	283.00	184.00	283.00	313.00	174.00
24	317.00	336.00	219.00	336.00	373.00	207.00
26	373.00	395.00	257.00	395.00	437.00	243.00
28	432.00	458.00	298.00	458.00	507.00	281.00
32	564.00	598.00	389.00	598.00	662.00	368.00

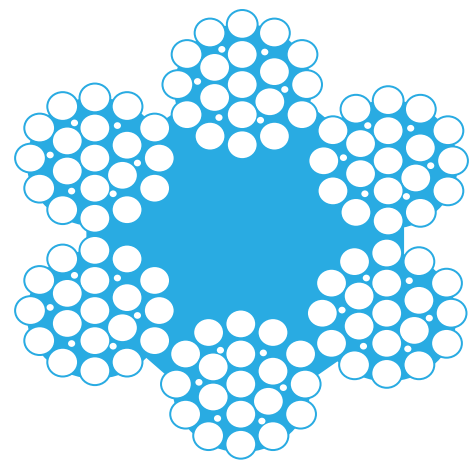
## USAGE:

*HOIST, GENERAL INDUSTRY, CRANE, MINE LIFTING, HIGH-FUMACE HOISTING, OIL DRILLING, CABLE CAR, EXCAVATOR, MARINE*

# SPECIAL PURPOSE ROPE



**8xS(19)+FC**



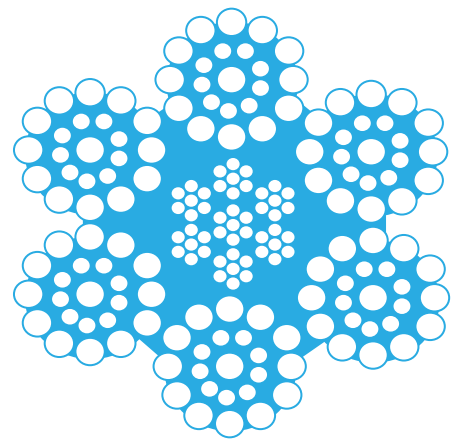
**8xW(19)+FC**

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
8	31.30	33.20	22.10	33.20	36.80	21.80
9	39.60	42.00	28.00	42.00	46.50	27.50
10	48.90	51.90	34.60	51.90	57.40	34.00
11	59.20	62.80	41.90	62.80	69.50	41.10
12	70.50	74.70	49.90	74.70	82.70	49.00
13	82.70	87.60	58.50	87.60	97.10	57.50
14	95.90	102.00	67.90	102.00	113.00	66.60
16	125.00	133.00	88.70	133.00	147.00	87.00
18	159.00	168.00	112.00	168.00	186.00	110.00
20	196.00	207.00	139.00	207.00	230.00	136.00
22	237.00	251.00	168.00	251.00	278.00	165.00
24	282.00	299.00	199.00	299.00	331.00	196.00
26	331.00	351.00	234.00	351.00	388.00	230.00
28	384.00	407.00	271.00	407.00	450.00	267.00
32	501.00	531.00	355.00	531.00	588.00	348.00

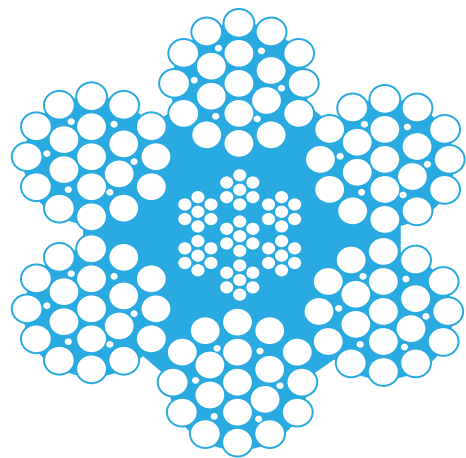
**USAGE:**

*HOIST, GENERAL INDUSTRY, SINK BOAT DRAGGING*

# SPECIAL PURPOSE ROPE



**8xS(19)+IWRC**



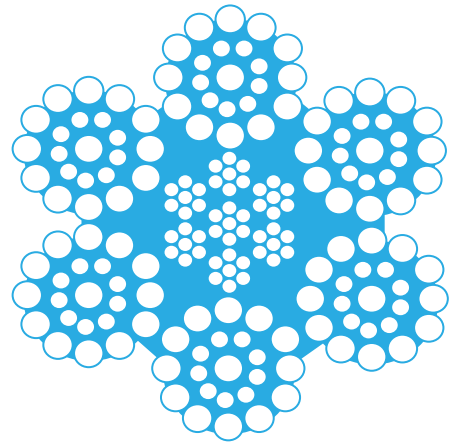
**8xW(19)+IWRC**

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
8	37.00	39.20	27.00	40.30	44.70	26.00
9	46.80	49.60	34.20	51.00	56.50	33.00
10	57.80	61.20	42.20	63.00	69.80	40.70
11	69.90	74.10	51.10	76.20	84.40	49.20
12	83.20	88.20	60.80	90.70	100.00	58.60
13	97.70	103.00	71.30	106.00	118.00	68.80
14	113.00	120.00	82.70	124.00	137.00	79.80
16	148.00	157.00	108.00	161.00	179.00	104.00
18	187.00	198.00	137.00	204.00	226.00	132.00
20	231.00	245.00	169.00	252.00	279.00	163.00
22	280.00	296.00	204.00	305.00	338.00	197.00
24	333.00	353.00	243.00	363.00	402.00	234.00
26	391.00	414.00	285.00	426.00	472.00	275.00
28	453.00	480.00	331.00	494.00	547.00	319.00
32	592.00	627.00	432.00	645.00	715.00	417.00

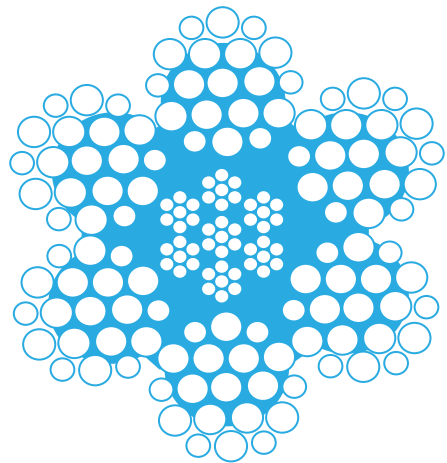
**USAGE:**

*HOIST, GENERAL INDUSTRY, SINK BOAT DRAGGING*

# SPECIAL PURPOSE ROPE



**6xS(19)+IWRC**



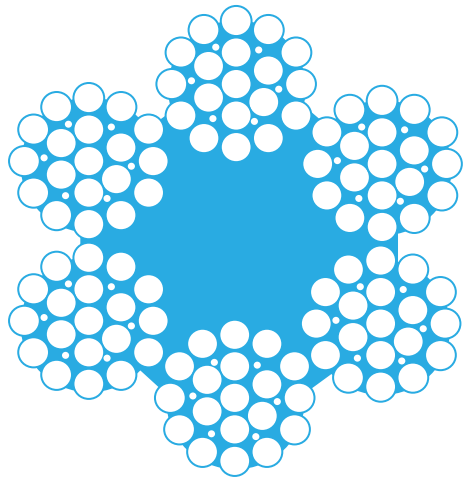
**6xW(19)+IWRC**

Diameter mm	Min.Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
6	21.40	22.40	14.60	22.40	25.10	14.40
7	29.10	30.90	19.90	30.90	34.20	19.60
8	38.00	40.30	25.90	40.30	44.70	25.60
9	48.20	51.00	32.80	51.00	56.50	32.40
10	59.50	63.00	40.60	63.00	69.80	40.00
11	71.90	76.20	49.10	76.20	84.40	48.40
12	85.60	90.70	58.50	90.70	100.00	57.60
13	100.00	106.00	68.50	106.00	118.00	67.60
14	117.00	124.00	79.50	124.00	137.00	78.40
16	152.00	161.00	104.00	161.00	179.00	102.00
18	193.00	204.00	131.00	204.00	226.00	130.00
20	238.00	252.00	162.00	252.00	279.00	160.00
22	288.00	305.00	196.00	305.00	338.00	194.00
24	342.00	363.00	234.00	363.00	402.00	230.00
26	402.00	426.00	274.00	426.00	472.00	270.00
28	466.00	494.00	318.00	494.00	547.00	314.00
32	609.00	645.00	415.00	645.00	715.00	410.00

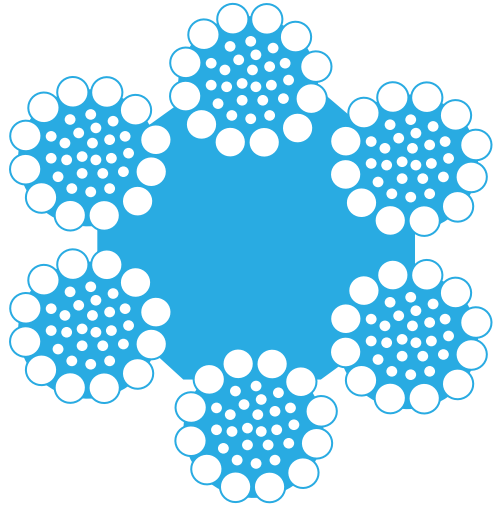
## USAGE:

*HOIST, GENERAL INDUSTRY, CRANE, MINE LIFTING, HIGH-FUMACE HOISTING, OIL DRILLING, CABLE CAR, EXCAVATOR, MARINE*

# SPECIAL PURPOSE ROPE



**6x FI(25)+FC**



**6x W(26)+FC**

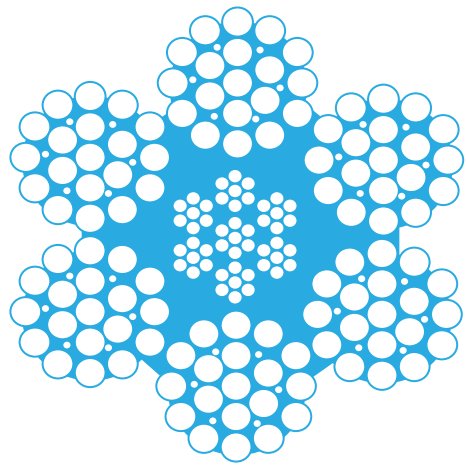
Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
6	19.80	21.00	13.70	21.00	23.30	12.90
7	27.00	28.60	18.60	28.60	31.70	17.60
8	35.30	37.40	24.30	37.40	41.40	23.00
9	44.60	47.30	30.80	47.30	52.40	29.10
10	55.10	58.40	38.00	58.40	64.70	35.90
11	66.70	70.70	45.60	70.70	78.30	43.30
12	79.40	84.10	54.70	84.10	93.10	51.70
13	93.10	98.70	64.20	98.70	109.00	60.70
14	108.00	114.00	74.50	114.00	127.00	70.40
16	141.00	150.00	97.30	150.00	166.00	91.90
18	179.00	189.00	123.00	189.00	210.00	116.00
20	220.00	234.00	152.00	234.00	259.00	144.00
22	267.00	283.00	184.00	283.00	313.00	174.00
24	317.00	336.00	219.00	336.00	373.00	207.00
26	373.00	395.00	257.00	395.00	437.00	243.00
28	432.00	458.00	298.00	458.00	507.00	281.00
32	564.00	598.00	389.00	598.00	662.00	368.00

## USAGE:

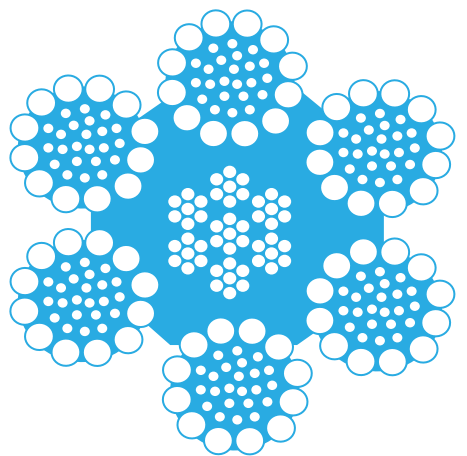
*HOIST, GENERAL INDUSTRY, CRANE, MINE LIFTING, HIGH-FUMACE HOISTING, OIL DRILLING, CABLE CAR, EXCAVATOR, MARINE*



# SPECIAL PURPOSE ROPE



**6x FI(25)+FC**



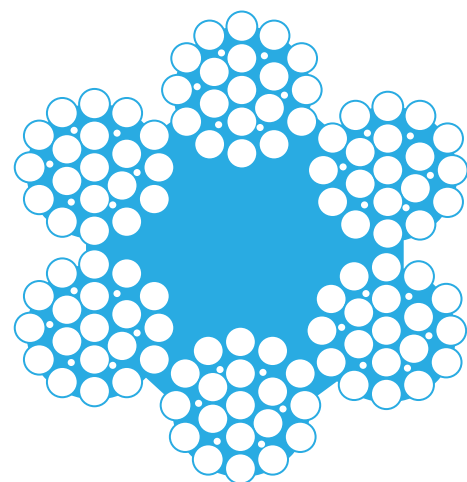
**6x W(26)+FC**

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
6	21.40	22.70	15.00	22.70	25.10	14.40
7	29.20	30.90	20.50	30.90	34.20	19.60
8	38.00	40.30	26.80	40.30	44.70	25.60
9	48.20	51.00	33.90	51.00	56.50	32.40
10	59.50	63.00	41.80	63.00	69.80	40.00
11	72.00	76.20	50.60	76.20	84.40	48.40
12	85.60	90.70	60.20	90.70	100.00	57.60
13	100.00	106.00	70.60	106.00	118.00	67.60
14	117.00	124.00	81.90	124.00	137.00	78.40
16	152.00	161.00	107.00	161.00	179.00	102.00
18	193.00	204.00	135.00	204.00	226.00	130.00
20	238.00	252.00	167.00	252.00	279.00	160.00
22	288.00	305.00	202.00	305.00	338.00	194.00
24	342.00	363.00	241.00	363.00	402.00	230.00
26	402.00	426.00	283.00	426.00	472.00	270.00
28	466.00	494.00	328.00	494.00	547.00	314.00
32	609.00	645.00	428.00	645.00	715.00	410.00

## **USAGE:**

*HOIST, GENERAL INDUSTRY, CRANE, MINE LIFTING, HIGH-FUMACE HOISTING, OIL DRILLING, EXCAVATOR, MARINE*

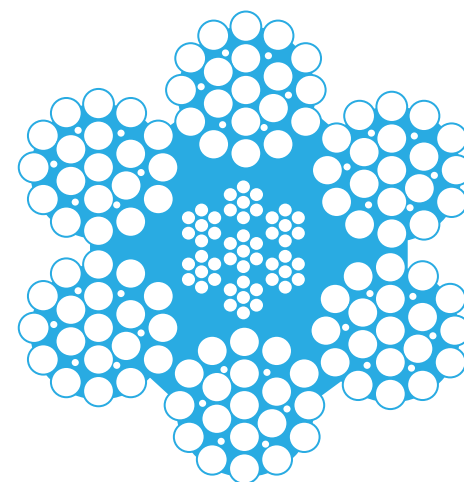
# SPECIAL PURPOSE ROPE



**6xFl(29)+FC**

**USAGE:**

*HOIST, GENERAL INDUSTRY,  
CRANE, MINE LIFTING,  
HIGH-FURNACE HOISTING,  
OIL DRILLING, EXCAVATOR,  
MARINE*



**6xFl(29)+IWRC**

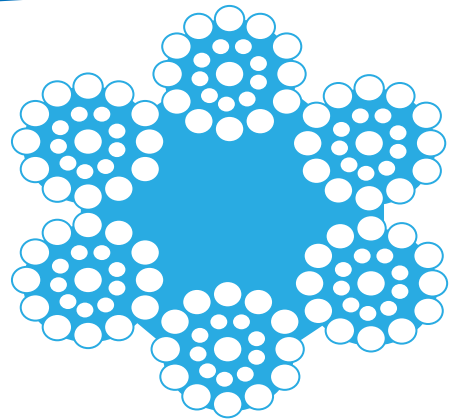
**USAGE:**

*WELL DRILLING, HOIST,  
GENERAL INDUSTRY, CRANE,  
CONSTRUCTION MACHINE,  
MINE LIFTING,  
HIGH-FURNACE HOISTING,  
CABLE CAR, EXCAVATOR, MARINE*

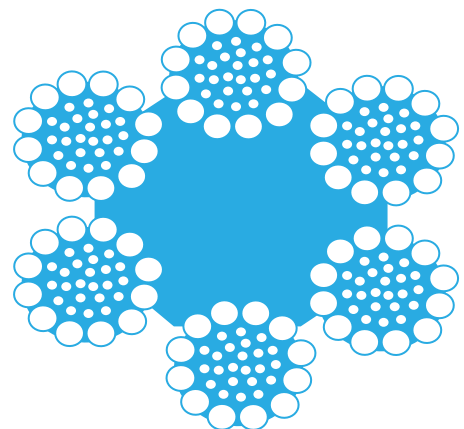
Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>	
12	79.40	84.10	54.70
13	93.10	98.70	64.20
14	108.00	114.00	74.50
16	141.00	150.00	97.30
18	179.00	189.00	123.00
20	220.00	234.00	152.00
22	267.00	283.00	184.00
24	317.00	336.00	219.00
26	373.00	395.00	257.00
28	432.00	458.00	298.00
32	564.00	598.00	389.00

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>	
12	85.60	90.70	60.20
13	100.00	106.00	70.60
14	117.00	124.00	81.90
16	152.00	161.00	107.00
18	193.00	204.00	135.00
20	238.00	252.00	167.00
22	288.00	305.00	202.00
24	342.00	363.00	241.00
26	402.00	426.00	283.00
28	466.00	494.00	328.00
32	609.00	645.00	428.00

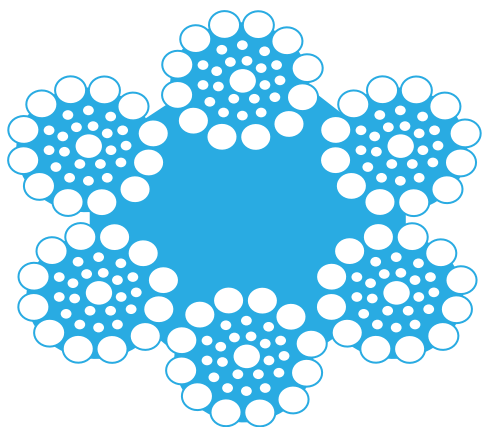
# SPECIAL PURPOSE ROPE



**6xWS(31)+FC**



**6xWS(36)+FC**



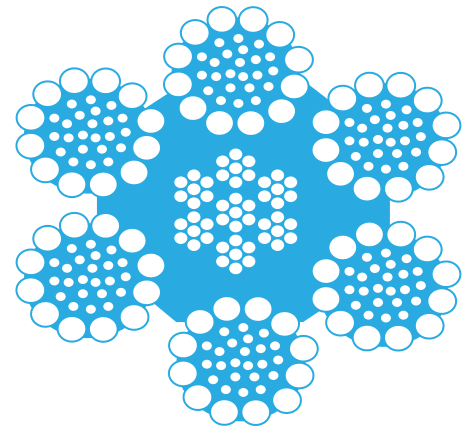
**6xWS(41)+FC**

Diameter mm	Min.Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
8	35.30	37.40	24.30	37.40	41.40	23.50
9	44.60	47.30	30.80	47.30	52.40	29.70
10	55.10	58.40	38.00	58.40	64.70	36.70
11	66.70	70.70	45.60	70.70	78.30	44.40
12	79.40	84.10	54.70	84.10	93.10	52.80
13	93.10	98.70	64.20	98.70	109.00	62.00
14	108.00	114.00	74.50	114.00	127.00	71.90
16	141.00	150.00	97.30	150.00	166.00	94.00
18	179.00	189.00	123.00	189.00	210.00	119.00
20	220.00	234.00	152.00	234.00	259.00	147.00
22	267.00	283.00	184.00	283.00	313.00	178.00
24	317.00	336.00	291.00	336.00	373.00	211.00
26	373.00	395.00	257.00	395.00	437.00	248.00
28	432.00	458.00	298.00	458.00	507.00	288.00
32	564.00	598.00	389.00	598.00	662.00	376.00

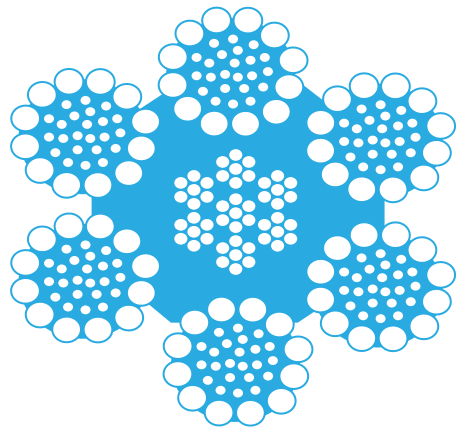
## **USAGE:**

*WELL DRILLING, HOIST, GENERAL INDUSTRY, CRANE, CONSTRUCTION MACHINE, MINE LIFTING, HIGH-FURNACE HOISTING, CABLE CAR, EXCAVATOR, MARINE*

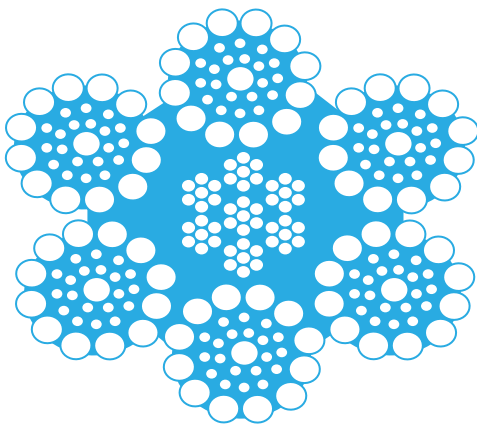
# SPECIAL PURPOSE ROPE



**6xWS(31)+IWRC**



**6xWS(36)+IWRC**



**6xWS(41)+IWRC**

Diameter mm	Min. Breaking Load(kN)		Approx. Weight (Kg/100m)	Min. Breaking Load (kN)		Approx. Weight (Kg/100m)
	1670 N/mm <sup>2</sup>	1770 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	
8	38.00	40.30	26.80	40.30	44.70	26.2
9	48.20	51.00	33.90	51.00	56.50	33.10
10	59.50	63.00	41.80	63.00	69.80	40.90
11	72.00	76.20	50.60	76.20	84.40	49.50
12	85.60	90.70	60.20	90.70	100.100	58.90
13	100.00	106.00	70.60	106.00	118.00	69.10
14	117.00	124.00	81.90	124.00	137.00	80.20
16	152.00	161.00	107.00	161.00	179.00	105.00
18	193.00	204.00	135.00	204.00	226.00	133.00
20	238.00	252.00	167.00	252.00	279.00	164.00
22	288.00	305.00	202.00	305.00	338.00	198.00
24	342.00	363.00	241.00	363.00	402.00	236.00
26	402.00	426.00	283.00	426.00	472.00	276.00
28	466.00	494.00	328.00	494.00	547.00	321.00
32	609.00	645.00	428.00	645.00	715.00	419.00

## **USAGE:**

*WELL DRILLING, HOIST, GENERAL INDUSTRY, CRANE, CONSTRUCTION MACHINE, MINE LIFTING, HIGH-FURNACE HOISTING, CABLE CAR, EXCAVATOR, MARINE*



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