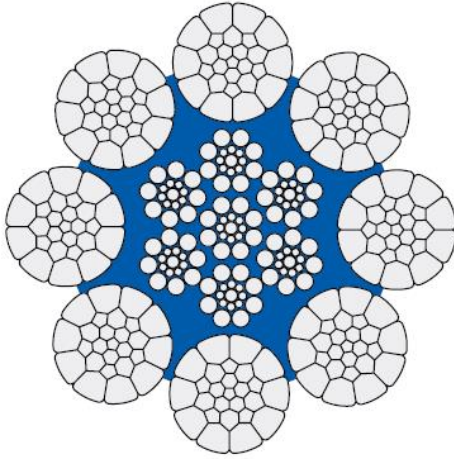


# DURApplus 8CP<sup>1</sup>



## DURApplus 8CP

is a multifunctional, compacted 8-strand, non-rotation resistant rope. The IWRC-steel core is made of regular strands and plastic coated.

### Generic Application Advice<sup>2</sup>

**DURApplus 8CP achieves a long service life because of its excellent bending fatigue resistance and provides a firm rope structure.**

- ▶ Suitable for a variety of applications that don't require rotation resistant ropes e.g. :
  - \* Multi-part reeving hoist applications
    - with right-hand and left-hand ropes operating in pairs
    - limited lifting heights if one rope is used
  - \* Luffing application
  - \* Boom pendant rope
- ▶ Recommended for multilayer coiling.
- ▶ Must not be used with a swivel! Rope ends are always secured to prevent rotation.

### Main Properties

- ▶ Non-rotation resistant rope
- ▶ Very high breaking force
- ▶ Excellent bending fatigue performance
- ▶ Crush resistant
- ▶ Very stable rope structure
- ▶ Good resistance to wear

### Technical Data

- ▶ Load bearing wires in the outer strands and the corresponding RCN(RopeCategoryNumber) according to ISO4309 for cranes.
  - \* 152 wires 8–12mm RCN 04
  - \* 208 wires 13–32mm RCN 09
  - \* 248 wires 34–48mm RCN 11
  - \* 288 wires 50–56mm RCN 13
- ▶ Average fill factor : 0.675
- ▶ Standard tolerance on diameter : +1% to +4% (other tolerances upon agreement)

### Product Types available

- ▶ Bright or galvanized
- ▶ Regular or Lang's Lay



Nominal diameter		Minimum breaking load						Metallic area	Weight
		1960 N / mm <sup>2</sup>			2160 N / mm <sup>2</sup>				
mm	in	kN	ton	lbs	kN	ton	lbs	mm <sup>2</sup>	kg/m
8.0	5/16	55.4	5.65	12,450	58.0	5.91	13,040	34.0	0.29
9.0		70.2	7.16	15,780	73.6	7.51	16,550	43.0	0.37
9.5	3/8	78.2	7.98	17,580	82.0	8.36	18,440	47.9	0.41
10.0		86.8	8.85	19,510	92.4	9.42	20,770	53.0	0.46
11.0	7/16	105	10.7	23,600	112	11.4	25,130	77.6	0.56
12.0		125	12.7	28,100	131	13.4	29,450	76.0	0.66
12.7	1/2	140	14.3	31,470	149	15.2	33,500	95.3	0.74
13.0		148	15.1	33,270	156	15.9	35,070	90.0	0.78
14.0		171	17.4	38,440	181	18.5	40,690	104.0	0.90
14.3	9/16	178	18.2	40,110	189	19.3	42,450	108.5	0.94
15.0		196	20.0	44,060	208	21.2	46,760	119.0	1.04
16.0	5/8	224	22.8	50,360	236	24.1	53,050	136.0	1.18
17.0		253	25.8	56,850	266	27.2	59,890	153.5	1.33
18.0		282	28.8	63,400	300	30.6	67,440	172.0	1.49
19.0	3/4	314	32.0	70,590	334	34.1	75,090	192.0	1.66
20.0		348	35.5	78,230	375	38.2	84,300	212.0	1.84
21.0		384	39.1	86,250	413	42.2	92,940	233.7	2.03
22.0	7/8	424	43.2	95,320	451	46.0	101,390	257.0	2.23
23.0		463	47.3	104,180	493	50.3	110,810	280.9	2.43
24.0		504	51.4	113,300	538	54.9	120,950	305.0	2.65
25.0		547	55.8	122,970	580	59.1	130,390	331.0	2.88
25.4	1	565	57.6	126,940	599	61.1	134,590	341.7	2.97
26.0		595	60.7	133,760	629	64.1	141,400	358.0	3.11
27.0		642	65.4	144,250	678	69.2	152,490	386.1	3.35
28.0		683	69.6	153,540	725	73.9	162,980	416.0	3.61
28.6	1+1/8	712	72.6	160,060	755	77.0	169,730	434.0	3.76
29.0		732	74.6	164,570	776	79.2	174,510	446.2	3.87
30.0		785	80.0	176,470	844	86.1	189,740	477.0	4.14
31.0		838	85.5	188,430	901	91.9	202,600	509.3	4.42
32.0	1+1/4	900	91.8	202,330	960	97.9	215,810	543.0	4.71
33.0		957	97.6	215,170	1,021	104.1	229,510	577.5	5.01
34.0		1,020	104.0	229,300	1,084	110.5	243,690	613.0	5.32
35.0	1+3/8	1,074	109.5	241,440	1,140	116.2	256,280	679.6	5.60
36.0		1,129	115.1	253,810	1,205	122.9	270,890	687.0	5.96
38.0	1+1/2	1,262	128.7	283,710	1,349	137.6	303,260	766.0	6.64
40.0		1,395	142.3	313,610	1,480	150.9	332,710	848.0	7.36
41.3	1+5/8	1,487	151.6	334,320	1,578	160.9	354,690	904.0	7.84
42.0		1,543	157.3	346,880	1,640	167.2	368,680	935.0	8.11
44.0	1+3/4	1,693	172.6	380,600	1,800	183.5	404,650	1,026.0	8.91
46.0		1,845	188.1	414,770	1,967	200.6	442,190	1,121.0	9.73
48.0	1+7/8	2,010	205.0	451,860	2,140	218.2	481,090	1,220.0	10.6
50.0		2,120	216.2	476,590	2,290	233.5	514,810	1,323.8	11.5
50.8	2	2,180	222.3	490,080	2,350	239.6	528,300	1,366.5	11.9
52.0		2,270	231.5	510,310	2,420	246.8	544,030	1,431.8	12.4
54.0	1+1/8	2,430	247.8	546,280	2,600	265.1	584,500	1,544.1	13.4
56.0		2,600	265.1	584,500	2,750	280.4	618,220	1,660.6	14.4