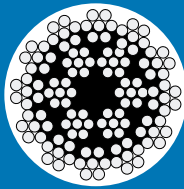


EN 12385-4 - CLASS 18x7

CONSTRUCTION
CROSS SECTION
EXAMPLE



18X7-FC+1

CONSTRUCTION OF ROPE		CONSTRUCTION OF STRAND		
ITEM	QUANTITY	ITEM	QUANTITY	
Strands	17 to 18	Wires	5 to 9	
outer strands	10 to 12	Outer wires	4 to 8	
layers of strands	2	Layers of wires	1	
Wires in rope (excluding wire strand centre)	85 to 162			
TYPICAL EXAMPLE		No. OF OUTER WIRES	OUTER WIRE FACTOR ¹⁾	
ROPE	STRAND	TOTAL	PER STRAND	
17X7	1-6	66	6	0,070
18X7	1-6	72	6	0,063 2
Min. breaking force factor:		K1=0,328	K3=0,328	
Nominal length mass factor ¹⁾		W1=0,382	W3=0,401	
Nominal metallic cross-sectional area factor ¹⁾			C3=0,433	

Nominal rope diameter mm	Approximate nominal length mass ¹⁾ kg/100m		Minimum breaking force kN	
	Fibre centre	Steel centre	Rope Grade	
			1770	1960
			Fibre or steel centre	Fibre or steel centre
1	2	3	4	5
6	13,8	14,4	20,9	23,1
7	18,7	19,6	28,4	31,5
8	24,4	25,7	37,2	41,1
9	30,9	32,5	47,0	52,1
10	38,2	40,1	58,1	64,3
11	46,2	48,5	70,2	77,8
12	55,0	57,7	83,6	92,6
13	64,6	67,8	98,1	109
14	74,9	78,6	114	126
16	97,8	103	149	165
18	124	130	188	208
20	153	160	232	257
22	185	194	281	311
24	220	231	334	370
26	258	271	392	435
28	299	314	455	504

1) Informative only