

EN 12385-4 - CLASS 8x19

CONSTRUCTION CROSS SECTION EXAMPLE	CONSTRUCTION OF ROPE		CONSTRUCTION OF STRAND				
	ITEM	QUANTITY	ITEM		QUANTITY		
	Strands	8	Wires	15 to 26			
	outer strands	8	Outer wires	7 to 12			
layers of strands	1	Layers of wires	2 to 3				
Wires in rope (excluding metallic core)	120 to 208						
TYPICAL EXAMPLE		No.OF OUTER WIRES	OUTER WIRE FACTOR ¹⁾				
ROPE	STRAND	TOTAL	PER STRAND				
8X19S	1-9-9	72	9	0,065 5			
8X25F	1-6-6F-12	96	12	0,052 5			
8X19W	1-6-6+6	96	12	6	0,060 6		
				6	0,045 0		
8X26WS	1-5-5+5-10	80	10	0,060 0			
Min. breaking force factor:		K1=0,293	K2=0,356				
Nominal length mass factor ¹⁾		W1=0,340	W2=0,407				
Nominal metallic cross-sectional area factor ¹⁾		C1=0,349	C2=0,457				
Nominal rope diameter mm	Apporoximate nominal length mass ¹⁾ kg/100m		Minimum breaking force kN				
			Rope Grade				
			1770		1960		2160
	Fibre core	Steel core	Fibre core	Steel core	Fibre core	Steel core	Steel core
1	2	3	4	5	6	7	8
8	21,8	26,0	33,2	40,3	36,8	44,7	49,2
9	27,5	33,0	42,0	51,0	46,5	56,5	62,3
10	34,0	40,7	51,9	63,0	57,4	69,8	76,9
11	41,1	49,2	62,8	76,2	69,5	84,4	93,0
12	49,0	58,6	74,7	90,7	82,7	100	111
13	57,5	68,8	87,6	106	97,1	118	130
14	66,6	79,8	102	124	113	137	151
16	87,0	104	133	161	147	179	197
18	110	132	168	204	186	226	249
20	136	163	207	252	230	279	308
22	165	197	251	305	278	338	372
24	196	234	299	363	331	402	443
26	230	275	351	426	388	472	520
28	267	319	407	494	450	547	603
32	348	417	531	645	588	715	787
36	441	527	672	817	744	904	997
40	544	651	830	1 010	919	1 120	1 230
44	658	788	1 000	1 220	1 110	1 350	1 490
48	783	938	1 200	1 450	1 320	1 610	1 770
52	919	1 100	1 400	1 700	1 550	1 890	2 080
56	1 070	1 280	1 630	1 980	1 800	2 190	2 410
60	1 220	1 470	1 870	2 270	2 070	2 510	2 770

1) Informative only