

TABLE 1 Breaking Strength Requirements

Strand Designation No.	Diameter of Strand, mm (in.)	Minimum Breaking Strength of Strand, kN (lbf)	Steel Area of Strand, mm <sup>2</sup> (in. <sup>2</sup> )	Weight of Strand kg/1000m (lb/1000ft)
<b>Grade 1725 (250)</b>				
9	9.5 (0.375)	89.0 (20 000)	51.6 (0.080)	405 (272)
11	11.1 (0.438)	120.1 (27 000)	69.7 (0.108)	548 (367)
13	12.7 (0.500)	160.1 (36 000)	92.9 (0.144)	730 (490)
15	15.2 (0.600)	240.2 (54 000)	139.4 (0.216)	1094 (737)
<b>Grade 1860 (270)</b>				
9	9.53 (0.375)	102.3 (23 000)	54.8 (0.085)	432 (290)
11	11.11 (0.438)	137.9 (31 000)	74.2 (0.115)	582 (390)
13	12.7 (0.500)	183.7 (41 300)	98.7 (0.153)	775 (520)
15	15.24 (0.600)	260.7 (58 600)	140.0 (0.217)	1102 (740)

TABLE 2 Yield Strength Requirements

Strand Designation No.	Nominal diameter of Strand, mm (in.)	Initial load, kN (lbf)	Minimum Load at 1% Extension, kN (lbf)
			Low-Relaxation
<b>Grade 1725 (250)</b>			
9	9.5 (0.375)	8.9 (2 000)	80.1 (18 000)
11	11.1 (0.438)	12.0 (2 700)	108.1 (24 300)
13	12.7 (0.500)	16.0 (3 600)	144.1 (32 400)
15	15.2 (0.600)	24.0 (5 400)	216.2 (48 600)
<b>Grade 1860 (270)</b>			
9	9.53 (0.375)	10.2 (2 300)	92.1 (20 700)
11	11.11 (0.438)	13.8 (3 100)	124.1 (27 900)
13	12.7 (0.500)	18.4 (4 130)	165.3 (37 170)
15	15.24 (0.600)	26.1 (5 860)	234.6 (52 740)



TABLE 3 Diameter Relation Between Center and Outer Wires

Strand Designation No.	Nominal Diameter of Strands, mm (in.)	Minimum Difference Between Center Wire Diameter and Diameter of Any Outer Wire, mm (in.)
<b>Grade 1725 (250)</b>		
9	9.5 (0.375)	0.051 (0.002)
11	11.1 (0.438)	0.064 (0.0025)
13	12.7 (0.500)	0.076 (0.003)
15	15.2 (0.600)	0.102 (0.004)
<b>Grade 1860 (270)</b>		
9	9.53 (0.375)	0.0508 (0.002)
11	11.11 (0.438)	0.0635 (0.0025)
13	12.70 (0.500)	0.0762 (0.003)
15	15.24 (0.600)	0.1016 (0.004)