

Tianjin Chunpeng Prestressed Concrete Strand Co., LTD

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## Chunpeng PC Wire with High Tensile



Chunpeng PC Wire with plain, spiral or indented surfaces is widely used in pre-stressed and post-tensioned concrete structures, including bridges and industrial buildings. Active standards: GB/T5223, ASTM A421, BS5896, JIS G3536, AS1310, En 10138. Good quality and moderate price have made us your first choice in our customers' selection for reliable supplier.





# Technical data of Chunpeng PC wire(Plain, spiral and Indented)

## Technical data of Plain, Spiral and Indented

Nominal Dia. (d <sub>n</sub> /mm)	Tolerance (mm)	Tensile Strength σ <sub>b</sub> /Mpa Not less than	Yield Strength (σ <sub>p0.2</sub> /Mpa) Not less than	Elongation at max load (L <sub>0</sub> =200mm) δgt/% Not less than	Bending Times Not less than	Bending Radius R/mm	Relaxation Properties
							The relaxation at 1000h (Initial load to 70% of nominal tensile strength) (r/%) Not more than
4.8	±0.05	1470	1290	3.5	4	15	2.0
5.0		1570	1380				
		1670	1470				
6.0	±0.05	1670	1470		4	15	
		1770	1560				
6.25		1770	1640		4	20	
7.0		1470	1290				
8.0	±0.06	1470	1290		4	20	
9.0		1570	1380				

## Technical data of Spiral PC Wire

Nominal Dia. (d <sub>n</sub> /mm)	No. of Helix Rib	Lining Dia. and Tolerance (mm)	Outline Dia. and Tolerance (mm)	Width of Single rib (α/mm)	Layer length (c/mm)	Nominal cross section S <sub>n</sub> /mm <sup>2</sup>	Re.mass per meter (g/m)
4.00	4	3.85 ±0.05	4.25 ±0.05	0.90 ~ 1.30	24 ~ 30	12.57	98.6
4.80		4.60 ±0.05	5.10 ±0.05	1.30 ~ 1.70	28 ~ 36	18.09	142
5.00		4.80 ±0.05	5.30 ±0.05		28 ~ 36	19.63	154
6.00		5.80 ±0.05	6.30 ±0.05	1.60 ~ 2.00	30 ~ 38	28.27	222
6.25		6.0 ±0.05	6.70 ±0.05		30 ~ 40	30.68	241
7.00		6.73 ±0.05	7.46 ±0.10	1.80 ~ 2.20	35 ~ 45	38.48	302
8.00		7.75 ±0.05	8.45 ±0.10	2.00 ~ 2.40	40 ~ 50	50.26	394
9.00		8.75 ±0.05	9.45 ±0.10	2.10 ~ 2.70	42 ~ 52	63.62	499



# Reference Pictures of Chunpeng PC Wire

