



1373 Boggs Drive / Mount Airy, North Carolina 27030

Phone 800-334-9504 / Fax 336-786-6682

[www.insteel.com](http://www.insteel.com)

## STRAND DATA SHEET PHYSICAL PROPERTIES LOW RELAXATION UNCOATED STRAND FOR PRESTRESSED CONCRETE STRUCTURES

### 270 GRADE LR ASTM A416

STRAND DIAMETER			WEIGHT PER LENGTH		MINIMUM BREAKING STRENGTH		LENGTH PER COIL		NOMINAL AREA	
fraction (in)	decimal (in)	mm	lb/1000ft	kg/1000m	lbf	kN	ft	meters	in <sup>2</sup>	mm <sup>2</sup>
5/16	0.313	7.9	180	250	16,000	71	31,250	9,525	0.059	38
3/8	0.375	9.5	290	430	23,000	102	21,200	6,460	0.085	55
7/16	0.438	11.1	390	580	31,000	138	15,400	4,690	0.115	74.2
1/2	0.500	12.7	520	780	41,300	184	13,200	4,020	0.153	98.7
1/2 Spec	0.520	13.2	550	840	45,000	200	11,900	3,630	0.167	108
9/16	0.563	14.3	650	970	51,700	230	10,500	3,200	0.192	124
	0.600	15.2	740	1100	58,600	261	9,100	2,770	0.217	140
	0.620	15.7	780	1200	62,800	279	8,100	2,470	0.232	150
	0.700	17.8	1000	1500	79,400	353	6,000	1,830	0.294	190

### 250 GRADE LR ASTM A416

3/8	0.375	9.5	272	405	20,000	89	23,000	7,010	0.080	52
7/16	0.438	11.1	367	548	27,000	120	16,500	5,030	0.108	69.7
1/2	0.500	12.7	490	730	36,000	160	13,000	3,960	0.144	92.9

### 270 GRADE LR INDENTED 7-WIRE ASTM A886

3/8	0.375	9.5	290	430	23,000	102	21,200	6,460	0.085	55
1/2	0.500	12.7	520	780	41,300	184	13,200	4,020	0.153	98.7

### 250 GRADE 3-WIRE ASTM A910

1/4	0.256	6.4	112	167	8,910	39.6	50,000	15,240	0.033	21
5/16	0.340	7.9	201	298	14,500	64.5	30,000	9,140	0.058	37

### 300 GRADE LR

1/2 Spec	0.520	13.2	550	844	50,100	223	10,750	3,280	0.167	108
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