



INSTEEL
WIRE PRODUCTS

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**STRAND DATA SHEET
PHYSICAL PROPERTIES
LOW RELAXATION UNCOATED STRAND**

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 ²	mm ²
3/8	0.375	9.53	290	432	23,000	102.3	21,200	6,460	0.085	54.8
7/16	0.438	11.11	390	582	31,000	137.9	15,400	4,690	0.115	74.2
1/2	0.500	12.70	520	775	41,300	183.7	13,200	4,020	0.153	98.7
1/2 Spec	0.520	13.20	550	844	45,000	200.2	11,900	3,630	0.167	107.7
9/16	0.563	14.29	651	970	51,700	230.0	10,500	3,200	0.192	123.9
9/16 Spec	0.583	14.81	700	1042	56,000	249.1	8,900	2,710	0.207	133.5
	0.600	15.24	740	1102	58,600	260.7	9,100	2,770	0.217	140.0
	0.620	15.75	778	1173	62,370	277.4	8,100	2,530	0.232	149.7
	0.700	17.78	1000	1487	79,400	353.2	6,000	1,830	0.294	189.7

250 GRADE LR ASTM A416

3/8	0.375	9.5	272	405	20,000	89.0	23,000	7,010	0.080	51.6
7/16	0.438	11.1	367	548	27,000	120.1	16,500	5,030	0.108	69.7
1/2	0.500	12.7	490	730	36,000	160.1	13,000	3,960	0.144	92.9

270 GRADE LR INDENTED 7-WIRE ASTM A886

3/8	0.375	9.5	290	432	23,000	102.3	21,200	6,460	0.085	54.8
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250 GRADE 3-WIRE ASTM A910

1/4	0.256	6.4	112	167	8,910	39.6	50,000	15,240	0.033	21.3
5/16	0.340	7.9	201	298	14,500	64.5	30,000	9,140	0.058	37.4

300 GRADE LR SPECIAL

1/2	0.500	12.70	534	796	50,100	222.9	10,750	3,280	0.153	98.7
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