



# HENAN TONG-DA CABLE CO., LTD

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## THHN/THWN-2 - NYLON - ALUMINUM CONDUCTOR - 600V

Conductors		Compact Diameter of Aluminum Conductor (inch)	PVC Insulation Thickness (inch)	Nylon Jacket Thickness (inch)	Approximate Outside Diameter (inch)	Approximate Net Weight (lbs/1000 ft)	*Allowable Ampacities (amps)		
Size (AWG or KCMIL)	No. of Strands						*60°C	*75°C	*90°C
8	7	0.134	0.03	0.005	0.204	26	35	40	45
6	7	0.169	0.03	0.005	0.239	37	40	50	55
4	7	0.213	0.04	0.006	0.305	60	55	65	75
3	7	0.238	0.04	0.006	0.33	73	65	75	85
2	7	0.268	0.04	0.006	0.36	88	75	90	100
1	8	0.299	0.05	0.007	0.413	115	85	100	115
1/0	10	0.336	0.05	0.007	0.45	139	100	120	135
2/0	12	0.376	0.05	0.007	0.49	169	115	135	150
3/0	15	0.423	0.05	0.007	0.537	206	130	155	175
4/0	19	0.475	0.05	0.007	0.589	253	150	180	205
250	22	0.52	0.06	0.008	0.656	306	170	205	230
300	21	0.57	0.06	0.008	0.706	359	195	230	260
350	24	0.616	0.06	0.008	0.752	411	210	250	280
400	27	0.659	0.06	0.008	0.795	463	225	270	305
500	34	0.736	0.06	0.008	0.872	568	260	310	350
600	41	0.813	0.07	0.009	0.971	690	285	340	385
700	45	0.877	0.07	0.009	1.035	794	315	375	425
750	47	0.908	0.07	0.009	1.066	844	320	385	435
900	58	0.999	0.07	0.009	1.157	999	355	425	480
1000	58	1.06	0.07	0.009	1.22	1100	375	445	500

## THHN /THWN-2 -NYLON-COPPER CONDUCTOR -600 Volts.

Conductor		Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal O.D. (mils)	Approx. Weight per 1000' (lbs)	Allowable Ampacities+		
Size (AWG or kcmil)	Number of Strands					60° C	75° C	90° C
14*	1	15	4	102	15	15	15	
12*	1	15	4	119	23	20	20	
10*	1	20	4	150	36	30	30	
14*	19	15	4	109	16	15	15	
12*	19	15	4	128	24	20	20	
10*	19	20	4	161	38	30	30	
8	19	30	5	213	63	40	55	
6	19	30	5	249	95	55	75	
4	19	40	6	318	152	70	100	
3	19	40	6	346	189	85	115	
2	19	40	6	378	234	95	130	
1	19	50	7	435	299	110	145	
1/0	19	50	7	474	372	125	170	
2/0	19	50	7	518	462	145	195	
3/0	19	50	7	568	575	165	225	
4/0	19	50	7	624	718	195	260	
250	37	60	8	694	851	215	290	
300	37	60	8	747	1012	240	320	
350	37	60	8	797	1174	260	350	
400	37	60	8	842	1334	280	380	
500	37	60	8	926	1655	320	430	
600	61	70	9	1024	1987	350	475	
750	61	70	9	1126	2464	400	535	
1000	61	70	9	1275	3257	455	615	