

# ALUMINUM THHN, THWN, T90 NYLON, TWN75 (cUL)

Thermoplastic Insulated, Nylon Sheathed  
600 Volt Aluminum

## DESCRIPTION:

Alan Wire type THHN/THWN-2 is suitable for general wiring applications as defined by the NEC (National Electrical Code) for 600V applications. THHN/THWN-2 is available in sizes ranging from #6 to 1000MCM. The conductors are made with 8000 series aluminum alloy and insulated with tough, heat and moisture resistant PVC (polyvinyl chloride), over which a nylon (polyimide) jacket is applied. All sizes are made with a friction reducing compound to aid in the installation process.

## STANDARDS AND SPECIFICATIONS:

- 600V Rated
- UL 83, 1063, 758
- Sunlight Resistant
- VW-1 Rated
- Cable Tray Use 1/0 & Larger
- NEMA Publication No. WC70
- Gasoline & Oil Resistant II
- c(UL) On All Sizes
- ARRA 2009 Section 1605  
"Buy American" Compliant
- Available in low and high voltage colors



Conductor					Ampacity	
Size (AWG)	Stranding	PVC Insulation	Nylon Jacket	Nom. OD (Mils)	90° THHN/THWN-2	Approx Net WT./MFT
6	7	30	5	240	55	37
4	7	40	6	307	75	60
2	7	40	6	361	100	89
1	19	50	7	415	115	116
1/0	19	50	7	452	135	140
2/0	19	50	7	491	150	170
3/0	19	50	7	538	175	207
4/0	19	50	7	590	205	255
250	36	60	8	658	230	308
300	36	60	8	707	260	361
350	36	60	8	754	280	413
400	36	60	8	797	305	465
500	36	60	8	873	350	570
600	58	70	9	973	385	693
700	58	70	9	1038	425	797
750	58	70	9	1068	435	847
900	58	70	9	1161	480	1002
1000	58	70	9	1223	500	1114



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