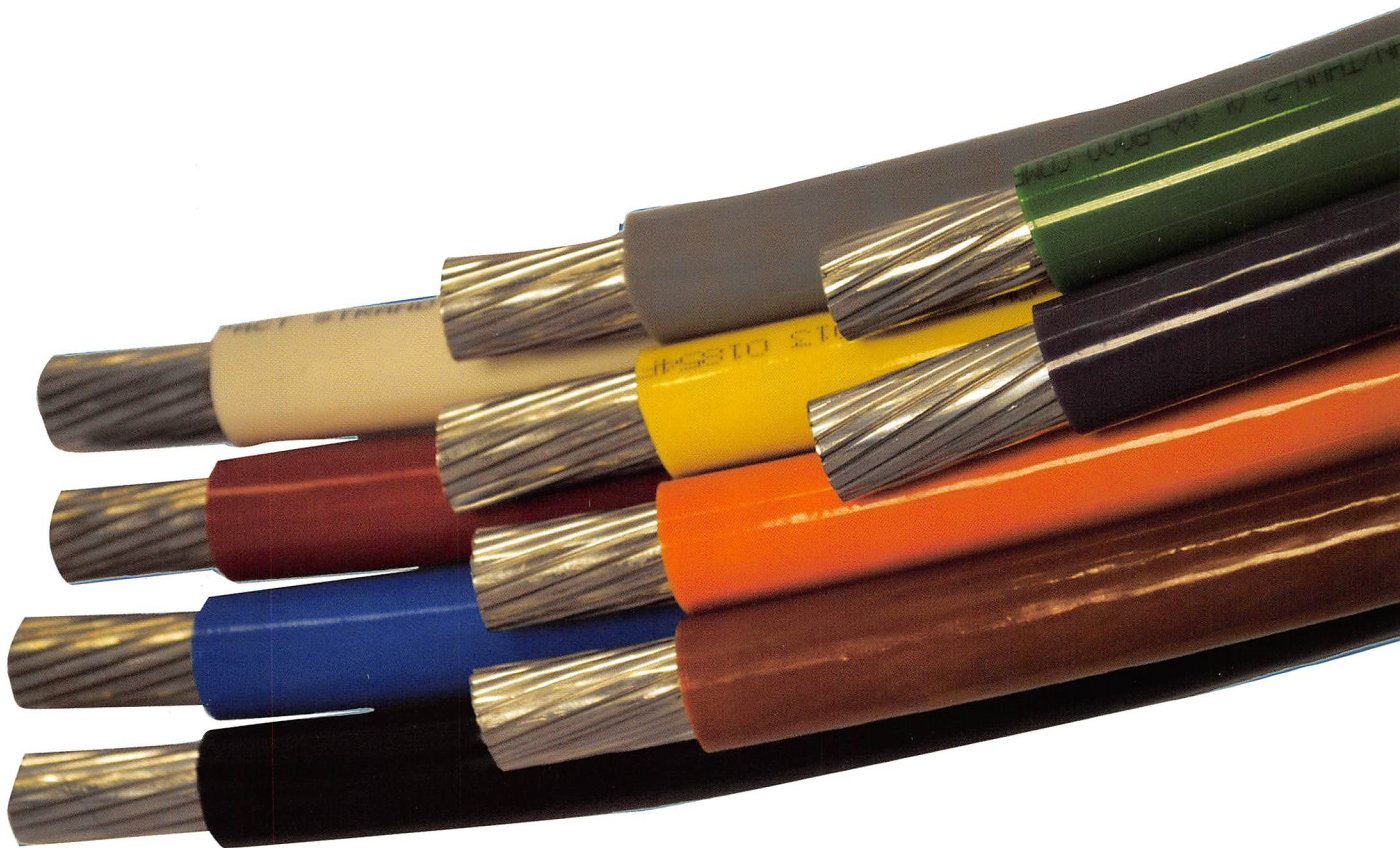
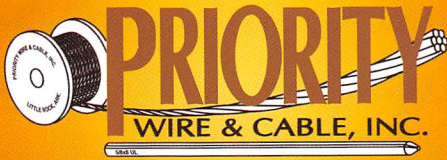


Aluminum THHN / THWN - 2 / T90



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APPLICATION: Priority Wire's THHN** building wire is intended for general purpose applications, and is permitted for use in new construction and rewiring of 600 volt applications. THHN conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Priority Wire's THHN should be installed without the application of pulling lubricant. PVC insulation is Sunlight resistant in all colors and sizes. All cables comply with UL VW-1/FT1 Flame Test, and are rated Gas and Oil Resistant II. 1/0AWG and larger are rated for cable tray use.

DESCRIPTION: Priority Wire's THHN aluminum conductors are AA-8000 series aluminum alloy, compact stranded. Insulation is an abrasion, moisture, heat and sunlight resistant polyvinyl chloride (PVC), over which a low surface coefficient of friction Nylon sheath is applied. Cable is available in black, red, blue, white, brown, orange, yellow, gray, purple, and green.

SPECIFICATIONS: THHN conductors meet or exceed UL83, UL1685, CUL, Federal Specification AA-59544, CSA C22.2 No. 75, ASTM standards B-800, B-801, B-836, and requirements of the NEC & CEC. RoHS Compliant.

Conductor		Nominal Conductor Diameter (mils)	PVC Insulation Min. Avg. Thickness (mils)	Nylon Jacket Min. Avg. Thickness (mils)	Approx. O.D (mils)	Approx. Net Weight (lbs/kft)	Ampacities 90°C**
Size	Min. Number						
AWG/kcmil	of Wires						
8	7	134	30	5	204	27	45
6	7	169	30	5	239	38	60
4	7	213	40	6	305	62	75
2	7	268	40	6	360	91	100
1	18	199	50	7	413	117	115
1/0	18	335	50	7	450	141	135
2/0	18	378	50	7	490	172	150
3/0	18	423	50	7	537	210	175
4/0	18	476	50	7	589	257	205
250	35	520	60	8	656	311	230
300	35	571	60	8	706	365	255
350	35	614	60	8	752	418	280
400	35	657	60	8	795	471	305
500	35	736	60	8	872	576	350
600	58	816	70	9	971	700	385
700	58	877	70	9	1035	804	420
750	58	909	70	9	1066	856	435
900	58	999	70	9	1139	1013	480
1000	58	1059	70	9	1218	1117	500

* Ampacities for not more than three conductors in raceway or cable, based on ambient temperature of 30°C per NEC Table 310-15 of the 2011 National Electrical Code.

**The term "THHN" under the application, description, and specification sections implies Priority Wire's THHN/THWN-2/T90

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