

## Building Wire(600V THHN)

■ **VOLTAGE RATING :** 600V

**CONDUCTOR TEMPERATURE :** THHN 90°C(194 F)

Dry and Damp locations

**DESCRIPTION :**

Solid or stranded, plain copper conductor, PVC (Heat-resistant PVC) insulation, Nylon sheath. (Optional Aluminum conductors)

**SPECIFICATION :** UL 83



■ **Solid Conductor**

AWG	Conductor		Insulation Thickness mm	Sheath Thickness mm	Overall Diameter mm	Approx. Weight kg/km
	Diameter mm					
14	1.63		0.38	0.10	2.7	24
12	2.05		0.38	0.10	3.1	35
10	2.588		0.51	0.10	4.1	57
8	3.264		0.76	0.13	5.2	92

■ **Stranded Conductor**

AWG	Conductor		Insulation Thickness mm	Sheath Thickness mm	Overall Diameter mm	Approx. Weight kg/km
	No.and Dia. of Wire No./mm	Diameter mm				
14	7/0.615	1.85	0.38	0.10	2.9	25
12	7/0.775	2.34	0.38	0.10	3.4	37
10	7/0.978	2.95	0.51	0.10	4.5	61
8	7/1.23	3.70	0.76	0.13	5.7	98
6	7/1.56	4.67	0.76	0.13	6.7	150
4	7/1.96	5.88	1.02	0.15	8.5	235
2	7/2.47	7.42	1.02	0.15	10.5	357
1	19/1.69	8.43	1.27	0.18	11.5	460
1/0	19/1.89	9.46	1.27	0.18	12.5	565
2/0	19/2.13	10.6	1.27	0.18	13.7	705
3/0	19/2.39	11.9	1.27	0.18	15.0	875
4/0	19/2.68	13.4	1.27	0.18	16.5	1,085
250	37/2.09	14.6	1.52	0.20	18.3	1,295
300	37/2.29	16.0	1.52	0.20	19.7	1,545
350	37/2.47	17.3	1.52	0.20	21.0	1,780
400	37/2.64	18.5	1.52	0.20	22.2	2,020
450	37/2.80	19.6	1.52	0.20	23.3	2,265
500	37/2.95	20.7	1.52	0.20	24.3	2,505
600	61/2.52	22.7	1.78	0.23	26.8	3,020
700	61/2.72	24.5	1.78	0.23	28.6	3,520
750	61/2.82	25.3	1.78	0.23	29.4	3,760
800	61/2.91	26.2	1.78	0.23	30.3	4,000
900	61/3.09	27.8	1.78	0.23	31.9	4,490
1000	61/3.25	29.3	1.78	0.23	33.4	4,955