



Copper THHN/THWN-2

Part Number	Size (AWG/kcmil)	No. of Strands	Insulation Thickness (mils)	Nylon Thickness (mils)	Overall Diameter (inches)	Net Weight lbs./kft.	Ampacity* (amps)
14SOLTHHN	14	Solid	15	4	0.110	16	25
14THHN	14	19	15	4	0.120	16	25
12SOLTHHN	12	Solid	15	4	0.130	24	30
12THHN	12	19	15	4	0.140	25	30
10SOLTHHN	10	Solid	20	4	0.160	38	40
10THHN	10	19	20	4	0.170	39	40
8THHN	8	19	30	4	0.230	66	55
6THHN	6	19	30	5	0.250	98	75
4THHN	4	19	40	6	0.330	155	95
3THHN	3	19	40	6	0.360	190	115
2THHN	2	19	40	6	0.390	235	130
1THHN	1	19	50	7	0.450	300	145
1/0THHN	1/0	19	50	7	0.500	370	170
2/0THHN	2/0	19	50	7	0.540	460	195
3/0THHN	3/0	19	50	7	0.600	570	225
4/0THHN	4/0	19	50	7	0.660	710	260
250THHN	250	37	60	8	0.720	845	290
350THHN	350	37	60	8	0.830	1165	350
500THHN	500	37	60	8	0.960	1640	430
750THHN	750	61	70	9	1.170	2480	520
1000THHN	1000	61	70	9	1.320	3300	615

All values are nominal and subject to correction

*90°C Wet/Dry Per NEC Table 310.15(B)(16) for not more than three conductors in raceway based on 30°C ambient temperature.

Application: Copper THHN/THWN-2 conductors are primarily used in conduit and cable trays, when approved, for services, feeders and branch circuits in commercial or industrial applications as specified in the National Electric Code. THHN applications are suitable for use in dry locations only at temperatures not to exceed 90°C. THHN-2 applications are suitable for use in either wet or dry applications, with temperatures that do not exceed 90°C.

Conductors: Either solid or stranded soft drawn copper, per ASTM Standards.

Insulation: Heat and moisture resistant colored polyvinyl chloride (PVC) insulation, with a clear nylon (polyamide) or UL-listed equal jacket, which provides abrasion resistance.

Standards: UL 83
 UL VW-1
 Size 1/0 & larger suitable for cable tray use
 MTW per UL 1063
 ASTM B1, B3, B8
 Federal Spec A-A-59544

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