

Little Rock
800-945-5542

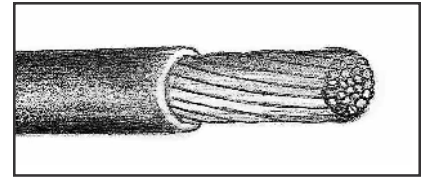
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TYPE THHN/THWN-2

600 Volt. Copper Conductor. Thermoplastic Insulation/Nylon Sheath. Heat, Moisture, Oil, and Gasoline Resistant ¹

Sizes AWG 8 and Larger Rated THWN-2. All Stranded Sizes Rated MTW.

AWG Sizes 14 Through 6 Rated AWM (105°C). AWG Sizes 14 Through 1 Rated VW 1 and Larger Sizes Rated for CT Use.

Application: Type THHN or THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications as specified in the National Electrical Code ². When used as Type THHN, conductor is suitable for use in dry locations at temperatures not to exceed 90°C. When used as Type THWN-2, conductor is suitable for use in wet or dry locations at temperatures not to exceed 90°C or not to exceed 75°C when exposed to oil or coolant. When used as Type MTW, conductor is suitable for use in wet locations or when exposed to oil or coolant at temperatures not to exceed 60°C or dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 75°C conductor temperature per NFPA 79). Conductor temperatures not to exceed 105°C in dry locations when rated AWM and used as appliance wiring material. Voltage for all applications is 600 volts.

Specifications: Type THHN or THWN-2 or MTW (also AWM) meets or exceeds all applicable ASTM specifications, UL standard 83, UL standard 1063 (MTW), Federal Specification J-C-30B, and requirements of the National Electrical Code.

Construction: • Type THHN or THWN-2 or MTW copper conductors are annealed (soft) copper, insulated with a tough heat and moisture resistant polyvinyl chloride (PVC), over which a nylon (polyamide) or UL-listed equal jacket is applied.

Catalog	Size AWG	No. of Strands	Insulation Thickness Mils	Nylon Thickness Mils	Overall Diameter	Net Weight
P0111	14	Solid	15	4	.11"	16 lbs/mft
P0211	14	19	15	4	.12"	16 lbs/mft
P0311	12	Solid	15	4	.13"	24 lbs/mft
P0411	12	19	15	4	.14"	25 lbs/mft
P0511	10	Solid	20	4	.16"	38 lbs/mft
P0611	10	19	20	4	.17"	39 lbs/mft
P0711	8	19	30	4	.23"	66 lbs/mft
P0811	6	19	30	5	.25"	98 lbs/mft
P0911	4	19	40	6	.33"	155 lbs/mft
P1011	3	19	40	6	.36"	190 lbs/mft
P1111	2	19	40	6	.39"	235 lbs/mft
P1211	1	19	50	7	.45"	300 lbs/mft
P1311	1/0	19	50	7	.50"	370 lbs/mft
P1411	2/0	19	50	7	.54"	460 lbs/mft
P1511	3/0	19	50	7	.60"	570 lbs/mft
P1611	4/0	19	50	7	.66"	710 lbs/mft
P1711	250	37	60	8	.72"	845 lbs/mft
P1811	350	37	60	8	.83"	1165 lbs/mft
P1911	500	37	60	8	.96"	1640 lbs/mft
P2011	750	61	70	9	1.17"	2480 lbs/mft
P2111	1000	61	70	9	1.32"	3300 lbs/mft

* Shipping Tolerances +/-10%

1) Oil and gas resistance II as defined by Underwriters Laboratories.

2) 1999 Edition

1-800-945-5542

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