



THW 75°C, 600V BUILDING WIRE

Thermoplastic insulated, Heat, Oil and Moisture Resistant. Flame Retardant.
Solid sizes 1.60mm to 3.20mm; Stranded sizes 2.0mm² to 500mm²



APPLICATION

PHILFLEX Type THW conductors are primarily used in conduit or other recognized raceways for services, feeders and branch circuits in residential, commercial or industrial applications as specified in the Philippine Electrical Code. Conductor is suitable for use in wet or dry locations at temperature not to exceed 75°C. Maximum voltage for all applications is 600 Volts.

Conductors Insulation Color

Bare, soft annealed copper per ASTM B-3, Class B stranding per ASTM B 8. (PNS 1207)

Lead Free Flame Retardant PVC per UL Standard 83

Available in black, white, red, yellow, blue and green

Catalog Number	Size / Nom. Area of Conductor	Approx. Conductor Diameter	Approx. Over-all Diameter	Max. Conductor Resistance	Ampacity	Approx. Cable Weight	Standard Length
		mm	mm	Ohm / km	A	Kg / km	m
SOLID	mm						
TH14	1.6	1.6	3.20	8.906	30	26.6	150/box
TH12	2.0	2.0	3.60	5.656	35	38.1	150/box
TH10	2.6	2.6	4.20	3.324	50	59.6	150/box
TH08	3.2	3.2	5.60	2.198	65	95.6	150/box
STRANDED	mm²						
TH14X	2.0	1.8	3.40	9.18	30	28.1	150/box
TH12X	3.5	2.4	4.00	5.17	35	44.8	150/box
TH10X	5.5	3.0	4.60	3.31	50	65.6	150/box
TH08X	8.0	3.6	6.00	2.30	65	100.8	150/box
TH06X	14	4.8	8.00	1.29	100	179.2	150/box
TH04X	22	6.0	9.20	0.818	130	262.5	150/box
TH02X	30	6.9	10.10	0.618	150	335.9	150/box
TH01X	38	8.0	12.00	0.470	175	448.5	300/reel
TH1/0	50	9.0	13.00	0.376	210	552.5	300/reel
TH2/0	60	10.0	14.00	0.301	235	667.7	300/reel
TH3/0	80	11.5	15.50	0.228	290	861.4	300/reel
TH4/0	100	13.0	17.00	0.178	340	1 080.3	300/reel
TH250	125	14.7	19.50	0.141	400	1 379.9	300/reel
TH300	150	16.1	20.90	0.118	445	1 633.3	300/reel
TH350	175	17.3	22.10	0.1011	495	1 865.7	300/reel
TH400	200	18.2	23.00	0.0920	530	2 054.0	300/reel
TH500	250	20.7	25.50	0.0709	620	2 606.2	300/reel
TH600	300	22.7	28.30	0.0610	-	3 149.7	300/reel
TH650	325	23.4	29.00	0.0560	720	3 339.7	300/reel
TH750	375	25.4	30.90	0.0471	775	3 895.1	300/reel
TH800	400	26.1	31.70	0.0450	795	4 107.7	300/reel
TH1000	500	28.8	34.40	0.0370	905	4 955.8	300/reel

- Ampacities are based on single insulated conductors rated 0 - 2,000 Volts in free air, based on ambient temperature of 30°C per Table 3.10.2.6(B)(17) of PEC Part 1, 2017 Edition
- Lengths other than those specified are available upon request.



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