



TW 60°C, 600V BUILDING WIRE

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



APPLICATION

PHILFLEX Type TW conductors are primarily used in conduit or other recognized raceways for services, feeders, and branch circuits residential, commercial or industrial applications as specified in the Philippine Electrical Code. Conductor is suitable for use in wet or dry locations at temperatures not to exceed 60°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	mm	Ohm / km	A	Kg / km	m
SOLID							
TW14	1.6	1.6	3.20	8.906	25	26.6	150/box
TW12	2.0	2.0	3.60	5.656	30	38.1	150/box
TW10	2.6	2.6	4.20	3.324	40	59.6	150/box
TW08	3.2	3.2	5.60	2.198	55	95.6	150/box
STRANDED	mm ²						
TW14X	2.0	1.8	3.40	9.18	25	28.1	150/box
TW12X	3.5	2.4	4.00	5.17	30	44.8	150/box
TW10X	5.5	3.0	4.60	3.31	40	65.6	150/box
TW08X	8.0	3.6	6.00	2.30	55	100.8	150/box
TW06X	14	4.8	8.00	1.29	80	179.2	150/box
TW04X	22	6.0	9.20	0.818	105	262.5	150/box
TW02X	30	6.9	10.10	0.618	125	335.9	150/box
TW01X	38	8.0	12.00	0.470	145	448.5	300/reel
TW1/0	50	9.0	13.00	0.376	180	552.5	300/reel
TW2/0	60	10.0	14.00	0.301	200	667.7	300/reel
TW3/0	80	11.5	15.50	0.228	245	861.4	300/reel
TW4/0	100	13.0	17.00	0.178	285	1 080.3	300/reel
TW250	125	14.7	19.50	0.141	335	1 379.9	300/reel
TW300	150	16.1	20.90	0.118	375	1 633.3	300/reel
TW350	175	17.3	22.10	0.1011	410	1 866.2	300/reel
TW400	200	18.2	23.00	0.0920	440	2 054.0	300/reel
TW500	250	20.7	25.45	0.0709	510	2 606.2	300/reel
TW600	300	22.7	28.30	0.0610	-	3 149.7	300/reel
TW650	325	23.4	29.00	0.0560	600	3 339.7	300/reel
TW750	375	25.4	30.98	0.0471	645	3 895.1	300/reel
TW800	400	26.1	31.70	0.0450	660	4 107.7	300/reel
TW1000	500	28.8	34.40	0.0370	755	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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