

THW BUILDING WIRES (600 Volts, 75°C)

Compacted

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. The conductor is suitable for use in wet or dry locations at a temperature not to exceed 75°C. Maximum voltages for all applications is 600 Volts.

SPECIFICATION:

- ASTM B-3
- PNS 35 - 1/ UL-83
- ASTM B 496/ PNS 1207

- Flame retardant
- Heat, Oil and Moisture resistant
- PHILFLEX will accept 61 strands for 250mm² as per customer request

CONSTRUCTION /SPECIAL FEATURES:

- Soft annealed compacted copper wire
- Thermoplastic PVC Lead free 75°C Insulated

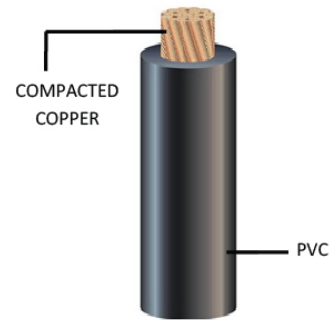
COLOR:

- Black, White, Red, Green, Blue, Yellow
- And as per customer demand or order

THW BUILDING WIRES (600 Volts, 75°C) Compacted TECHNICAL DATA

Size		Approximate Over All Diameter (mm)	Approximate Cable Weight (kg/km)	Ampacity Ampere 75°C	Standard Length
(Awg)	(mm ²)				
TH02X	30	10.01	325.02	100	150m/coil
TH01X	38	11.60	433.86	115	150m/coil
TH1/0	50	12.55	534.53	140	300m/reel
TH2/0	60	13.57	646.67	155	300m/reel
TH3/0	80	14.80	832.44	190	300m/reel
TH4/0	100	16.10	1 043.20	220	300m/reel
TH250	125	18.0	1 332.60	255	300m/reel
TH300	150	19.30	1 578.73	285	300m/reel
TH350	175	20.50	1 805.53	305	300m/reel
TH400	200	21.50	1 990.14	325	300m/reel
TH500	250	23.50	2523.88	375	300m/reel
TH650	325	27.0	3 245.45	435	300m/reel
TH750	375	28.60	3 783.84	470	300m/reel
TH800	400	29.40	3 992.84	480	300m/reel
TH1000	500	32.50	4 827.43	530	300m/reel

THW COMPACTED



COMPACTER CONDUCTOR ADVANTAGES

- ✓ Increased resistance to corrosion (due to outer sealing of the strand) damages/ vibration
- ✓ Significant Cost Reduction due to reduced rope abrasion and increased service life with less maintenance expense
- ✓ Increased resistance to shock loading and whipping

Note: Ampacity based on PEC 2017 edition table 3.10.2.6(B)(16): Allowable Ampacities of Insulated Conductors Rated 0 through 2000 Volts, 60°C through 90°C. Not More Than Three Current-Carrying Conductors in Raceway, Cable, or Earth (Directly Buried), Base on Ambient Temperature of 30°C