

# Heavy Duty-Flat Jacketed-Type THW

## Construction

**Conductors:** Stranded soft annealed copper.

**Insulation:** Thermoplastic polyvinyl chloride (PVC).

**Color Coding:** black, red, yellow, green (ground).

**Assembly:** Insulated conductors, including the ground conductor, are flat and parallel.

**Jacket:** Black thermoplastic polyvinyl chloride (PVC) extruded over the parallel conductors.

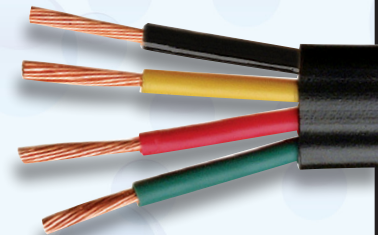
**Temperature:** -25° C to 75° C

**Voltage:** 600 Volts

**Footprint:** Every two feet from 500-0, 1000-0 



**RoHS  
Compliant**



## Specifications

UL Standard 83

## Application

For use within well casing supplying power to the submersible pump.

Maximum conductor operating temperatures of -25° C to 75° C in circuits not exceeding 600 volts.

AWG	Number of Conductors	Part Numbers	Approx. Ship Wt./M'	Conductor Stranding	Overall Dimensions (in.)	Insulation Inner Thickness	Jacket Thickness PVC
14	2 w/grd	PCH14/2G (P)	103.8	19	.191 X .513	.045"	.045"
14	3 w/grd	PCH14/3G (P)	123.6	19	.191 X .674	.045"	.045"
12	2 w/grd	PCH12/2G (P)	130.6	19	.210 X .570	.045"	.045"
12	3 w/grd	PCH12/3G (P)	160.8	19	.210 X .750	.045"	.045"
10	2 w/grd	PCH10/2G (P)	185.5	19	.233 X .639	.045"	.045"
10	3 w/grd	PCH10/3G (P)	246.0	19	.233 X .842	.045"	.045"
8	2 w/10grd	PCH08/2G (P)	260.0	19	.323 X .849	.060"	.045"
8	3 w/10grd	PCH08/3G (P)	341.7	19	.323 X 1.112	.060"	.045"
6	3 w/8grd	PCH06/3G (P)	525.0	19	.359 X 1.256	.060"	.045"
4	3 w/8grd	PCH04/3G (P)	706.0	19	.406 X 1.444	.060"	.045"
2	3 w/6grd	PCH02/3G (P)	1058.9	19	.466 X 1.684	.060"	.045"
1/0	3 w/6grd	PCH1A/3G (P)	1721.1	19	.660 X 1.990	.080"	.060"
2/0	3 w/6grd	PCH20/3G (P)	2000.3	19	.700 X 2.120	.080"	.060"
3/0	3 w/4grd	PCH30/3G (P)	2506.0	19	.734 X 2.314	.080"	.060"
4/0	3 w/4grd	PCH40/3G (P)	2999.6	19	.800 X 2.490	.080"	.060"

**Conductor Color Code:** 2 conductor = black, red, green ground, 3 conductor = black, yellow, red, green ground.

**Put-up Codes (P):** 1=500' put-up or 2=1000' put-up.