

# POWER CABLE

THHN POWER CABLE - TYPE TC  
90°C DRY - 75°C WET - 600 VOLT

## Construction

### Conductor:

- Stranded soft annealed copper.

### Insulation:

- Snug-fitting concentric layer of 90°C polyvinyl chloride (PVC).

### Conductor Jacket:

- Applied directly over the PVC insulation is a tough nylon jacket offering physical protection to the insulation.

### Color Code:

- The individual conductors are colored black and identified with printed conductor numbers on each conductor in the cable, per ICEA Method 4.

### Cabling:

- The specified number of conductors are cabled with or without ground wires, as applicable. Non-hygroscopic fillers are used as needed to maintain a substantially circular cross section, and the entire assembly is wrapped with a suitable cable tape.

### Overall Jacket:

- A heavy-duty PVC jacket to meet the requirements of UL is applied over the assembled core.

### Features:

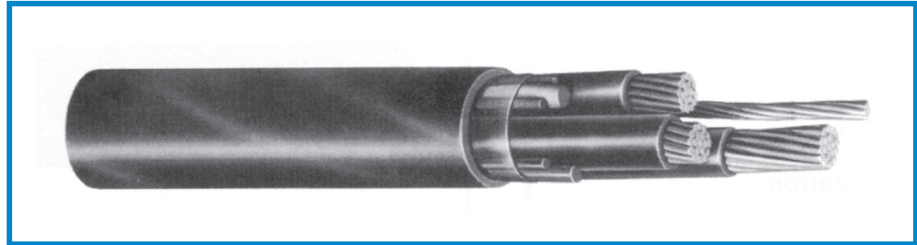
- OSHA Accepted.
- Small diameter, light weight.
- UL Listed for 90°C 600 volts.
- Flame, moisture and sunlight resistant.
- Meets UL 1277 Tray Fire Test with 70,000 BTU/hr. as well as 210,000 BTU/hr. flame source.
- Oil and gas resistant conductors.
- Also resistant to a broad range of chemicals.

### Rating:

- 90°C, 600 Volts.

### Applications:

- THHN/TC cable is approved for tray, raceway, direct burial and aerial installations (when supported by messenger). It is also approved for tray use in Class 1, Division 2, hazardous locations as permitted in NEC Articles 318 and 501. It complies with the appropriate sections of NEC Articles 318, 340, 501 and 725.



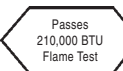
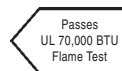
CUSTOM CATALOG NUMBER	SIZE AWG/MCM	STRAND	NOMINAL THICKNESS (INCHES)			NOMINAL O.D. INCHES	CURRENT AMPS <sup>1</sup>	NOMINAL WEIGHT LBS/MFT
			INSULATION	NYLON	JACKET			
<b>THREE CONDUCTORS WITHOUT GROUNDING CONDUCTOR</b>								
13000	8	7	0.030	0.005	0.060	0.610	59	280
13001	6	7	0.030	0.005	0.060	0.695	79	400
13002	4	7	0.040	0.006	0.060	0.895	104	660
13003	2	7	0.040	0.006	0.080	1.040	138	980
13004	1/0	19	0.050	0.007	0.080	1.250	186	1455
13005	2/0	19	0.050	0.007	0.080	1.360	215	1780
13006	3/0	19	0.050	0.007	0.080	1.420	249	2000
13007	4/0	19	0.050	0.007	0.080	1.590	287	2605
13008	250	37	0.060	0.008	0.110	1.830	326	3205
13009	350	37	0.060	0.008	0.110	2.050	394	4330
13010	500	37	0.060	0.008	0.110	2.300	487	5950
<b>THREE CONDUCTORS WITH GROUNDING CONDUCTOR</b>								
13060	8	7	0.030	0.005	0.060	0.600	59	320
13061	6	7	0.030	0.005	0.060	0.700	79	460
13062	4	7	0.040	0.006	0.060	0.900	104	720
13063	2	7	0.040	0.006	0.080	1.040	138	1075
13064	1	19	0.050	0.007	0.080	1.120	161	1240
13065	1/0	19	0.050	0.007	0.080	1.250	186	1550
13066	2/0	19	0.050	0.007	0.080	1.360	215	1875
13077	3/0	19	0.050	0.007	0.080	1.430	249	2200
13088	4/0	19	0.050	0.007	0.080	1.600	287	2800
13089	250	37	0.060	0.008	0.110	1.830	320	3400
13090	350	37	0.060	0.008	0.110	2.050	394	4525
13091	500	37	0.060	0.008	0.110	2.300	487	6250

NOTE: We reserve the right to ship different UL approved configurations for ground wire sizes.

1 Based on not more than three conductors in cable in free air with ambient of 40°C and 90°C conductor temperature.

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# Custom Cable Corp.



**OSHA Acceptable**  
Occupational Safety and Health  
Administration

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