

## THHN POWER CABLE - TYPE TC - NEC® ARTICLE 340 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:

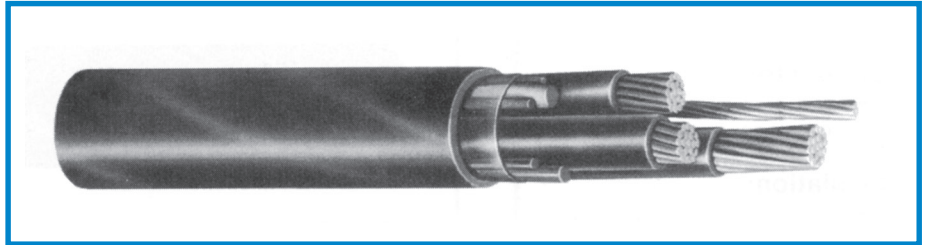
- OSHA Accepted.
- Small diameter, light weight.
- UL Listed for 90°C 600 volts.
- Flame, moisture and sunlight resistant.
- Meets UL 1277 Tray Fire Test with 70,000 BTU/hr. as well as 210,000 BTU/hr. flame source.
- Oil and gas resistant conductors.
- Also resistant to a broad range of chemicals.

#### Rating:

- 90°C, 600 Volts.

#### Applications:

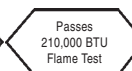
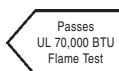
- THHN/TC cable is approved for tray, raceway, direct burial and aerial installations (when supported by messenger). It is also approved for tray use in Class 1, Division 2, hazardous locations as permitted in NEC Articles 318 and 501. It complies with the appropriate sections of NEC Articles 318, 340, 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>FOUR CONDUCTORS WITHOUT GROUNDING CONDUCTOR</b>								
13020	8	7	0.030	0.005	0.060	0.700	59	345
13021	6	7	0.030	0.005	0.060	0.750	79	490
13022	4	7	0.040	0.006	0.060	0.970	104	765
13023	2	7	0.040	0.006	0.080	1.140	138	1140
13024	1/0	19	0.050	0.007	0.080	1.360	186	1710
13025	2/0	19	0.050	0.007	0.080	1.470	215	2350
13026	3/0	19	0.050	0.007	0.080	1.590	249	2500
13027	4/0	19	0.050	0.007	0.110	1.800	287	3340
13028	250	37	0.060	0.008	0.110	1.930	326	3960
13029	350	37	0.060	0.008	0.110	2.200	394	5520
13030	500	37	0.060	0.008	0.110	2.500	489	7950
<b>FOUR CONDUCTORS WITH GROUNDING CONDUCTOR</b>								
13040	8	7	0.030	0.005	0.060	0.700	47	385
13041	6	7	0.030	0.005	0.060	0.750	63	550
13042	4	7	0.040	0.006	0.060	0.970	83	830
13043	2	7	0.040	0.006	0.080	1.140	110	1240
13044	1	19	0.050	0.007	0.080	1.220	129	1540
13045	1/0	19	0.050	0.007	0.080	1.360	149	1810
13046	2/0	19	0.050	0.007	0.080	1.470	172	2450
13047	3/0	19	0.050	0.007	0.080	1.590	199	2650
13048	4/0	19	0.050	0.007	0.110	1.800	230	3520
13049	250	37	0.060	0.008	0.110	1.930	256	4120
13050	350	37	0.060	0.008	0.110	2.200	315	5675
13051	500	37	0.060	0.008	0.110	2.500	390	8150

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

- Based on not more than four conductors in cable in free air with ambient of 40°C and 90°C conductor temperature. If one conductor is a neutral, carrying only unbalanced current from the other three conductors, the three conductor ampacity may be used.



**OSHA** Acceptable  
Occupational Safety and Health  
Administration



# Custom Cable Corp.