

VNTC Tray Cable 18-10 AWG Unshielded THHN/PVC



Scope:

Stranded copper conductors (ASTM B-8), polyvinyl chloride (PVC) insulated, jacketed in nylon for moisture and heat resistance. Phase identified and cabled together with fillers and/or binders as required. Cabled core is covered with an overall black PVC jacket that is gas and oil resistant. Jacket available in colors. Suitable for use in hazardous locations: Class 1 and 2, Division 2.



Applicable Standards and Tests:

- UL 1277 at 600 volts
- Flame Rated: IEEE 1202 (70,000 BTU)
- ICEA S-95-658/NEMA WC-70
- Temperature Rated at 90°C Wet/Dry
- -25°C Rated
- Direct Burial & Sunlight Resistant
- Exposed Runs Rated (TC-ER)
- Color Code: NEMA WC 57/ICEA S-73-532 Table E-2



Construction:

Conductors: Concentric 19 strand soft drawn annealed copper per UL and ASTM requirements. Tinned conductors and other stranded configurations are available upon request. Single conductors are Oil & Gas Resistant II.

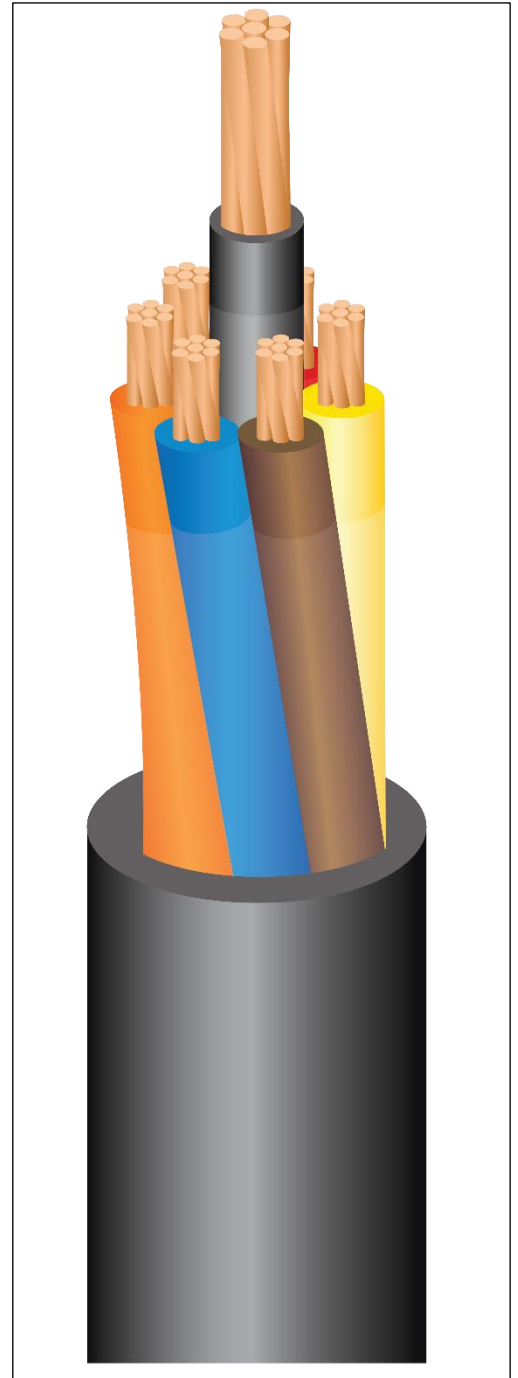
Insulation: Concentrically applied PVC insulation with a Nylon jacket. Rated at 90°C dry and 75°C wet. 16-18 AWG TFFN wire only, 10-14 AWG THHN only.

Jacket: A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. The surface profile shall approximate that of the interior assembly.



Identification and Packaging:

The wire shall be identified by surface marking indicating the manufacturer, conductor size, voltage rating, UL symbol, and type designation. Custom lengths, color, and packaging is available by request.



AWG	Number of Conductors	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
18	2	45	0.26	41
18	3	45	0.27	50
18	4	45	0.30	60
18	5	45	0.32	71
18	7	45	0.35	89
18	9	45	0.40	112
18	10	45	0.44	121
18	12	45	0.44	156
18	16	45	0.49	211
18	19	60	0.55	220
18	25	60	0.64	279
16	2	45	0.29	53
16	3	45	0.30	66
16	4	45	0.33	79
16	5	45	0.36	94
16	7	45	0.39	118
16	9	45	0.45	147
16	10	45	0.50	162
16	12	45	0.50	202
16	16	60	0.59	280
16	19	60	0.62	296
16	25	60	0.73	379
14	2	45	0.32	68
14	3	45	0.34	87
14	4	45	0.37	107
14	5	45	0.40	129
14	7	45	0.43	162
14	9	45	0.50	221
14	10	60	0.59	237
14	12	60	0.59	281
14	16	60	0.66	389
14	19	60	0.69	408
14	25	60	0.82	526
12	2	45	0.36	82
12	3	45	0.38	113
12	4	45	0.42	145
12	5	45	0.45	175
12	7	45	0.50	223
12	9	60	0.61	304
12	10	60	0.68	327
12	12	60	0.68	388
12	16	60	0.75	537
12	19	60	0.80	581
12	25	80	0.99	796
10	2	45	0.42	121
10	3	45	0.44	167
10	4	45	0.50	212
10	5	45	0.52	269
10	7	60	0.60	352
10	9	60	0.71	445
10	10	60	0.79	490
10	12	60	0.79	579
10	16	80	0.92	822