

VNTC TRAY CABLE 18-10 AWG UNSHIELDED THHN/PVC



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-1 or E-2

PRINT WHEEL

- ✓ KRIS-TECH WIRE XX AWG XX
CONDUCTOR E515926 (UL) TC-ER THHN
600V 90°C
WET/DRY PVC JACKET SUN RES FT4 OIL
RES I DIR BUR "ROHS" MADE IN USA

VALUE ADD SERVICE

- ✓ Custom lengths and put-ups
- ✓ 12 available colors
- ✓ Wire paralleling and cabling
- ✓ Wire stripping
- ✓ Custom print legends and labels



**SNAP FOR MORE
INFORMATION**

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.

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 I.

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 are 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	30
18	3	45	0.27	40
18	4	45	0.30	50
18	5	45	0.32	59
18	6	45	0.36	69
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
18	30	60	0.70	290
18	48	80	0.86	459
16	2	45	0.29	38
16	3	45	0.30	53
16	4	45	0.33	65
16	5	45	0.36	78
16	7	45	0.39	102
16	9	45	0.45	128
16	10	45	0.50	143
16	12	45	0.50	164
16	16	60	0.59	226
16	19	60	0.62	261
16	20	60	0.65	275
16	25	60	0.73	337
16	50	80	0.96	660

Spec: VNTC Tray Cable 18-10 AWG Unshielded THHN/PVC
Issued: 09/16/2024
Supersedes: 12/11/2023

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AWG	Number of Conductors	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
14	2	45	0.28	53
14	3	45	0.33	75
14	4	45	0.36	95
14	5	45	0.40	115
14	7	45	0.43	152
14	9	45	0.50	193
14	10	60	0.59	230
14	12	60	0.59	265
14	13	60	0.62	285
14	16	60	0.65	341
14	19	60	0.69	396
14	25	60	0.82	514
14	30	80	0.89	635
14	37	80	0.95	766
14	40	80	0.99	823
12	2	45	0.31	72
12	3	45	0.38	103
12	4	45	0.41	131
12	5	45	0.45	159
12	7	45	0.49	213
12	9	60	0.60	287
12	10	60	0.67	319
12	12	60	0.67	370
12	16	60	0.74	479
12	19	60	0.78	560
12	25	80	0.98	762
10	2	45	0.36	106
10	3	45	0.45	154
10	4	45	0.49	198
10	5	60	0.57	257
10	6	60	0.62	302
10	7	60	0.62	343
10	9	60	0.73	435
10	10	60	0.81	485
10	12	60	0.81	565
10	16	80	0.94	770
10	40	80	1.38	1801

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