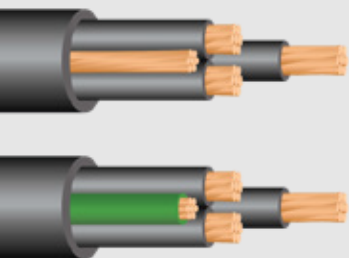


# VNTC TRAY CABLE 12-2 AWG WITH AND WITHOUT GROUND THHN/PVC



## 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, E-2, or M4

## PRINT WHEEL

- ✓ Kris-Tech Wire XX AWG XX conductor E515926 (UL) TC-ER THHN 600V 90°C wet/dry PVC jacket sun res FT4 "RoHS" made in USA

## 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. Optional bare copper or insulated green ground cable is included as well. 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. Sizes #4 AWG and larger are a concentric 7 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.

**Ground Conductor:** Bare copper conductor or insulated green polyvinyl chloride (PVC) insulated, jacketed in nylon.

**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.

## VNTC Tray Cable with NO Ground

AWG	Number of Conductors	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
8	2	45	0.43	177
8	3	60	0.57	283
8	4	60	0.63	355
6	2	60	0.56	281
6	3	60	0.70	400
6	4	60	0.77	515
4	2	60	0.66	406
4	3	80	0.87	627
4	4	80	0.95	787
2	2	60	0.76	611
2	3	80	1.00	965

Spec: VNTC Tray Cable 12-2 AWG with and without Ground THHN/PVC  
 Issued: 02/05/2024  
 Supersedes: 09/19/2023



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INFORMATION

# VNTC TRAY CABLE 12-2 AWG WITH AND WITHOUT GROUND THHN/PVC

## VALUE ADD SERVICE

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

## VNTC Tray Cable with Bare Copper Ground

AWG	Number of Conductors	Size of Ground Wire (AWG)	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
12	2	12	45	0.35	98
12	3	12	45	0.39	136
10	2	10	45	0.40	155
10	3	10	45	0.45	198
8	2	10	45	0.48	213
8	3	10	60	0.57	313
6	2	8	60	0.61	338
6	3	8	60	0.70	459
4	2	8	60	0.69	475
4	3	8	60	0.80	636
2	2	6	60	0.81	698
2	3	6	80	0.97	1042

## VNTC Tray Cable with Green Insulated Ground

AWG	Number of Conductors	Size of Ground Wire (AWG)	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
12	2	12	45	0.38	105
12	3	12	45	0.42	142
10	2	10	45	0.44	164
10	3	10	45	0.48	207
8	2	10	45	0.51	222
8	3	10	60	0.60	323
6	2	8	60	0.66	357
6	3	8	60	0.74	478
4	2	8	60	0.74	494
4	3	8	80	0.88	686
2	2	6	80	0.91	755