

Tray Cable UL Type TC / TC-ER – 600V THHN/THWN-2 Insulation – without Ground – PVC Jacket

APPLICATION:

Primarily used for power, control, signal, communication, and lighting circuits in commercial and industrial environments. Suitable for installations in cable trays, supported by messenger wire in open air, raceways, channels, conduits and ducts, direct burial applications not exceeding 600 volts.

CONDUCTORS:

- Soft or annealed bare copper per ASTM B3 and B8 compressed in Class B stranding

INSULATION:

- Heat and moisture resistant Polyvinylchloride (PVC) with a Nylon jacket, per UL 83

GROUND:

- Soft or annealed bare copper per ASTM B3 and B8 in Class B stranding

COLOR CODE:

- Black insulation with ICEA Method 4 printed numbers

ICEA S-58-679, Method 4 - All Black Conductors

Cond #	Cond Printing
1	"1-One"
2	"2-Two"
3	"3-Three"
4	"4-Four"
5	"5-Five"



ASSEMBLY:

- Conductors are cabled together with or without fillers as required to form a round, compact cable core with a binder tape.

JACKET:

- Flame and sunlight resistant black PVC rated 90°C wet or dry per UL 1277. Ripcord provided for jackets with thickness of 60 mils or less.

STANDARDS:

- UL 83, UL1277
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test
- ICEA S-95-658
- UL Listed as Type TC or TC-ER, Sunlight Resistant, Direct Burial
- UL Listed to IEEE1202 and CSA FT4 70,000 BTU Flame Test
- ASTM B3, ASTM B8
- NEC Article 336, Article 501, Article 725 for class 1 circuits

OPTIONS:

- ICEA Method 1, Tables E-1 or E-2 color code
- Tinned Copper
- Shielding
- Composite Constructions

Part Number	Conductor Size	No. of Conductors	No. of Strands	Insulation Thickness		Nylon Thickness		Jacket Thickness		Overall Diameter	Net Weight
	AWG			inches	mm	inches	mm	inches	mm		
8-02TC-VN*	8	2	7	0.030	0.76	0.005	0.13	0.060	1.52	0.54	199
8-03TC-VN	8	3	7	0.030	0.76	0.005	0.13	0.060	1.52	0.58	283
8-04TC-VN	8	4	7	0.030	0.76	0.005	0.13	0.060	1.52	0.64	352
6-02TC-VN*	6	2	7	0.030	0.76	0.005	0.13	0.060	1.52	0.64	299
6-03TC-VN	6	3	7	0.030	0.76	0.005	0.13	0.060	1.52	0.68	400
6-04TC-VN	6	4	7	0.030	0.76	0.005	0.13	0.060	1.52	0.74	506
4-03TC-VN*	4	3	7	0.040	1.02	0.006	0.15	0.060	1.52	0.85	576
4-04TC-VN*	4	4	7	0.040	1.02	0.006	0.15	0.060	1.52	0.93	780
2-03TC-VN*	2	3	7	0.040	1.02	0.006	0.15	0.080	2.03	0.98	948
2-04TC-VN*	2	4	7	0.040	1.02	0.006	0.15	0.080	2.03	1.09	1140

All values are nominal and subject to correction.
*NOT TC-ER rated



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