

# Tray Cable UL Type TC / TC-ER – 600V

## THHN/THWN-2 Insulation – without Ground – PVC Jacket



### APPLICATION:

Primarily used for connecting power devices in commercial and industrial environments. Suitable for installation in cable trays, supported by messenger wire in open air, raceways, channels, conduit and ducts. Approved for direct burial and outdoors in cable tray where sunlight resistant rating is required. Also may be installed in wet or dry locations or in areas exposed to chemicals and oils.

### CONDUCTORS:

- Fully annealed bare copper Class B compressed strand per ASTM B-3 and ASTM B-8

### INSULATION:

- Flame retardant PVC/NYLON that is heat and moisture resistant. Insulation meets requirements of Type THHN/THWN-2 as specified by UL 83

### ASSEMBLY:

- Conductors are cabled together without a ground and 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 Listed as TC-ER (Exposed Run) per UL Standard 1277 and used in accordance with NEC for 3 or more conductors (6 AWG & 8 AWG only)
- Approved for Class 1 or 2, Division 2 industrial hazardous locations per NEC
- Rated 90°C wet or dry to meet UL 83 for THHN/THWN-2
- Meets cold bend test at -25°C
- ICEA S-95-658
- UL 83, UL1277
- UL1685 and IEEE 383 70,000 BTU Vertical Flame Test
- UL Listed to IEEE1202 and CSA FT4 70,000 BTU Flame Test

### OPTIONS:

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

### COLOR CODE:

- Black insulation with ICEA Method 4 printed numbers

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

Per ICEA S-58-679 Method 4



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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	0.544	199
8-03TC-VN	8	3	7	0.030	0.76	0.005	0.13	0.060	1.52	0.580	283
8-04TC-VN	8	4	7	0.030	0.76	0.005	0.13	0.060	1.52	0.635	352
6-02TC-VN*	6	2	7	0.030	0.76	0.005	0.13	0.060	1.52	0.636	299
6-03TC-VN	6	3	7	0.030	0.76	0.005	0.13	0.060	1.52	0.675	400
6-04TC-VN	6	4	7	0.030	0.76	0.005	0.13	0.060	1.52	0.741	506
4-03TC-VN*	4	3	7	0.040	1.02	0.006	0.15	0.080	2.03	0.867	653
4-04TC-VN*	4	4	7	0.040	1.02	0.006	0.15	0.080	2.03	0.952	828
2-03TC-VN*	2	3	7	0.040	1.02	0.006	0.15	0.080	2.03	0.998	948
2-04TC-VN*	2	4	7	0.040	1.02	0.006	0.15	0.080	2.03	1.010	1206

All values are nominal and subject to correction.

\*NOT TC-ER rated



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