



## Tray Cable Composite Power & Control UL Type TC / TC-ER - 600V THHN Insulation - PVC Jacket

Part Number	Power Conductors					Control Conductors				Jacket Thickness	Overall Diameter	Weight
	Conductor Size	No. of Cond.	Ground Wire	Insulation Thickness	Nylon Thickness	Conductor Size	No. of Cond.	Insulation Thickness	Nylon Thickness			
	AWG		AWG	inches	inches	AWG		inches	inches			
12-03TCG/14-04VNTC	12	3	12	0.015	0.004	14	4	0.015	0.004	0.045	0.450	190
10-03TCG/14-04VNTC	10	3	10	0.020	0.004	14	4	0.015	0.004	0.060	0.550	265
8-03/14-04VNTC	8	3	10	0.030	0.005	14	4	0.015	0.004	0.060	0.675	350
6-03/14-04VNTC	6	3	8	0.030	0.005	14	4	0.015	0.004	0.060	0.720	458
4-03/14-04VNTC	4	3	8	0.040	0.006	14	4	0.015	0.004	0.080	0.930	707
2-03/14-04VNTC	2	3	6	0.040	0.006	14	4	0.015	0.004	0.080	1.020	980
10-03/12-04VNTC	10	3	10	0.020	0.004	12	4	0.015	0.004	0.060	0.580	280
8-03TCG/12-04VNTC	8	3	10	0.030	0.005	12	4	0.015	0.004	0.060	0.715	292
6-03TCG/12-04VNTC	6	3	8	0.030	0.005	12	4	0.015	0.004	0.060	0.760	505
4-03TCG/12-04VNTC	4	3	8	0.040	0.006	12	4	0.015	0.004	0.080	0.940	735
2-03TCG/12-04VNTC	2	3	6	0.040	0.006	12	4	0.015	0.004	0.080	1.015	1030

All values are nominal and subject to correction.

**Application:** Power, control, signal, communication and lighting circuits, for installation in cable trays in accordance with Article 336. Cable is approved for use in raceways, supported by messenger wire in open air, for direct burial applications, in Class I & II division 2 hazardous locations and for Class 1 circuits as permitted in Article 725.11(b). May be installed in both wet and dry locations or in areas exposed to chemicals and oils.

**Conductors:** Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8

**Insulation:** Heat and moisture resistant Polyvinylchloride (PVC) per UL 83.  
Clear Polyamide (Nylon) jacket per UL 83.

**Color Code:** Power conductors Method 4, Control Conductors Method 1-E2

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

**Jacket:** Sunlight resistant black PVC rated 90°C per UL 1277.

**Flame Test:** IEEE 383 70,000 BTU vertical tray flame test

**1-800-945-5542**