



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

Power Conductors					Control Conductors				laskat	Overell	
Conductor Size	No. of Cond.	Ground Wire		,		e No. of	Insulation Thickness	Nylon Thickness	Thickness	Diameter	Weight
AWG		AWG	inches	inches	AWG		inches	inches	inches	inches	lbs/kft
12	3	12	0.015	0.004	14	4	0.015	0.004	0.045	0.450	190
10	3	10	0.020	0.004	14	4	0.015	0.004	0.060	0.550	265
8	3	10	0.030	0.005	14	4	0.015	0.004	0.060	0.675	350
6	3	8	0.030	0.005	14	4	0.015	0.004	0.060	0.720	458
4	3	8	0.040	0.006	14	4	0.015	0.004	0.080	0.930	707
2	3	6	0.040	0.006	14	4	0.015	0.004	0.080	1.020	980
10	3	10	0.020	0.004	12	4	0.015	0.004	0.060	0.580	280
8	3	10	0.030	0.005	12	4	0.015	0.004	0.060	0.715	292
6	3	8	0.030	0.005	12	4	0.015	0.004	0.060	0.760	505
4	3	8	0.040	0.006	12	4	0.015	0.004	0.080	0.940	735
2	3	6	0.040	0.006	12	4	0.015	0.004	0.080	1.015	1030
	Size AWG 12 10 8 6 4 2 10 8 6 4 2 2 2 2	Conductor Size No. of Cond. AWG 3 12 3 10 3 8 3 6 3 4 3 2 3 10 3 8 3 6 3 4 3 2 3	Conductor Size No. of Cond. Ground Wire AWG 12 3 12 10 3 10 3 10 8 3 10 3 8 4 3 8 3 10 3 10 3 10 3 10 3 10 3 10 3 10 3 10 3 10 3 8 4 3 8 4 3 8 4 3 8 4 3 8 8 4 3 8	Conductor Size No. of Cond. Ground Wire Mire Thickness Insulation Thickness 12 3 12 0.015 10 3 10 0.020 8 3 10 0.030 6 3 8 0.030 4 3 8 0.040 2 3 6 0.040 10 3 10 0.020 8 3 10 0.030 6 3 8 0.030 6 3 8 0.030 4 3 8 0.040 2 3 6 0.040	Conductor Size No. of Cond. Ground Wire Thickness Thickness Thickness Thickness Inches No. of Thickness Thickness Thickness Thickness Inches 12 3 12 0.015 0.004 10 3 10 0.020 0.004 8 3 10 0.030 0.005 6 3 8 0.030 0.005 4 3 8 0.040 0.006 2 3 6 0.040 0.006 10 3 10 0.020 0.004 8 3 10 0.030 0.005 6 3 8 0.030 0.005 6 3 8 0.030 0.005 4 3 8 0.030 0.005 4 3 8 0.040 0.006 2 3 6 0.040 0.006	Conductor Size No. of AWG Ground Vire Cond. Insulation Thickness Inches Nylon Thickness Size Conductor Size 12 3 12 0.015 0.004 14 10 3 10 0.020 0.004 14 8 3 10 0.030 0.005 14 6 3 8 0.030 0.005 14 4 3 8 0.040 0.006 14 2 3 6 0.040 0.006 14 10 3 10 0.020 0.004 12 8 3 10 0.030 0.005 12 6 3 8 0.030 0.005 12 4 3 8 0.030 0.005 12 4 3 8 0.030 0.005 12 4 3 8 0.030 0.005 12 4 3 8 0.040 0.	Conductor Size No. of Cond. Ground Wire Thickness Insulation Thickness Nylon Thickness Conductor Size Thickness No. of Cond. 12 3 12 0.015 0.004 14 4 10 3 10 0.020 0.004 14 4 8 3 10 0.030 0.005 14 4 6 3 8 0.030 0.005 14 4 4 3 8 0.040 0.006 14 4 2 3 6 0.040 0.006 14 4 10 3 10 0.020 0.004 12 4 8 3 10 0.020 0.004 12 4 8 3 10 0.030 0.005 12 4 8 3 10 0.030 0.005 12 4 6 3 8 0.030 0.005 12 4	Conductor Size No. of Cond. Ground Wire Thickness Nylon Thickness Conductor Size Inches No. of Cond. Insulation Thickness inches 12 3 12 0.015 0.004 14 4 0.015 10 3 10 0.020 0.004 14 4 0.015 8 3 10 0.030 0.005 14 4 0.015 6 3 8 0.030 0.005 14 4 0.015 4 3 8 0.040 0.006 14 4 0.015 2 3 6 0.040 0.006 14 4 0.015 10 3 10 0.020 0.004 12 4 0.015 8 3 10 0.020 0.006 14 4 0.015 10 3 10 0.030 0.005 12 4 0.015 8 3 10 0.030 0.005 <td>Conductor Size No. of AWG Ground Fond Insulation Thickness Nylon Thickness Conductor Size Fond No. of Conductor Thickness No. of Conductor Thick</td> <td> No. of Size AWG Cond. Wire Thickness Thickness Thickness Thickness Size Cond. Thickness Th</td> <td> No. of Size AWG Cond. Mire Thickness Thickness Thickness Thickness Size Cond. Thickness Th</td>	Conductor Size No. of AWG Ground Fond Insulation Thickness Nylon Thickness Conductor Size Fond No. of Conductor Thickness No. of Conductor Thick	No. of Size AWG Cond. Wire Thickness Thickness Thickness Thickness Size Cond. Thickness Th	No. of Size AWG Cond. Mire Thickness Thickness Thickness Thickness Size Cond. Thickness Th

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