

Tray Cable



Construction: The soft bare annealed copper conductor is insulated by heat and moisture resistant PVC and covered with a layer of nylon sheath. The insulated conductors are cabled with or without fillers as required to form a round, compact cable core with a binder tape and oversheathed by sunlight resistant PVC.



Application: This product is used for power, control, signal, communication and lighting circuits. It is approved for cable trays use in hazardous areas, raceways, supported by a messenger wire in open air, or direct burial applications. It may be installed in both wet or dry locations or in areas exposed to chemicals and oils.



Rated Voltage: 600V.



Operating Temperature: Max permissible continuous operating temperature of conductor shall not exceed 90°C when used as type THHN in dry locations, or 75°C when used as type THWN in wet locations.



Standard: ASTM B-3 and ASTM B-8, UL 83 and UL 1277, NEC Article 501 and 725 or other standards required by customers. Flame test: IEEE 383.



Packing: Steel/wooden reel, wooden reel or steel reel.

Tray Cable

Copper Conductor / THHN or THWN Insulation / PVC Sheath

Size	No. of Cores	Approx Overall Diameter	Size	No. of Cores	Approx Overall Diameter
AWG		inch	AWG		inch
14	2	0.210×0.325*	12	12	0.685
14	3	0.345	12	15	0.760
14	4	0.380	12	16	0.760
14	5	0.410	12	19	0.800
14	7	0.445	12	20	0.885
14	9	0.515	12	25	1.000
14	10	0.595	12	30	1.030
14	12	0.610	12	37	1.100
14	16	0.675	10	2	0.265×0.440*
14	19	0.710	10	3	0.450
14	20	0.745	10	4	0.515
14	25	0.880	10	5	0.570
14	30	0.915	10	7	0.620
14	37	0.980	10	9	0.763
14	40	1.010	10	12	0.810
14	60	1.120	10	16	0.975
12	2	0.230×0.370*	10	19	1.020
12	3	0.385	8	2	0.590
12	4	0.420	8	3	0.625
12	5	0.460	8	4	0.665
12	7	0.500	8	5	0.750
12	9	0.615	8	6	0.815
12	10	0.665	8	7	0.815

*Flat construction

Tray Cable for Power

Size	No. of Cores	Approx Overall Diameter	Size	No. of Cores	Approx Overall Diameter
AWG		inch	AWG		inch
8	3	0.610	2/0	3	1.310
8	4	0.660	2/0	4	1.440
6	3	0.690	3/0	3	1.420
6	4	0.750	3/0	4	1.570
4	3	0.860	4/0	3	1.540
4	4	0.970	4/0	4	1.780
2	3	1.020	250	3	1.760
2	4	1.120	250	4	1.950
1	3	1.130	350	3	1.980
1	4	1.250	350	4	2.200
1/0	3	1.220	500	3	2.260
1/0	4	1.350	500	4	2.510

Tray Cable Composite Power and Control

Power Cores		Control Cores		Approx Overall Dia
Size	No. of Cores	Size	No. of Cores	
AWG		AWG		inch
12	3	14	4	0.450
10	3	14	4	0.550
8	3	14	4	0.675
6	3	14	4	0.720
4	3	14	4	0.930
2	3	14	4	1.020
10	3	12	4	0.580
8	3	12	4	0.715
6	3	12	4	0.760
4	3	12	4	0.940
2	3	12	4	1.015