Tray Cable UL Type TC / TC-ER – 600V

THHN/THWN-2 Insulation – with 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

1-800-945-5542
www.PriorityWire.com
PRIORITY WIRE & CABLE, INC.

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Part Number	Conductor Size	No. of Conductors	No. of Strands	Ground Wire Size	Insulation Thickness	Nylon Thickness	Jacket Thickness	Overall Diameter	Net Weight	Ampacity* at 90°C
	AWG			AWG	inches	inches	inches	inches	lbs/kft	amps
8-03TCG-VN	8	3	7	10	0.030	0.005	0.060	0.61	303	55
8-04TCG-VN	8	4	7	10	0.030	0.005	0.060	0.67	368	55
6-03TCG-VN	6	3	7	8	0.030	0.005	0.060	0.69	424	75
6-04TCG-VN	6	4	7	8	0.030	0.005	0.060	0.76	551	75
4-03TCG-VN	4	3	7	8	0.040	0.006	0.060	0.86	648	95
4-04TCG-VN	4	4	7	8	0.040	0.006	0.080	0.94	840	95
3-03TCG-VN	3	3	7	6	0.040	0.006	0.080	0.93	810	115
2-03TCG-VN	2	3	7	6	0.040	0.006	0.080	0.99	963	130
2-04TCG-VN	2	4	7	6	0.040	0.006	0.080	1.10	1210	130
1-03TCG-VN	1	3	19	6	0.050	0.007	0.080	1.13	1180	145
1-04TCG-VN	1	4	19	6	0.050	0.007	0.080	1.25	1520	145
1/0-03TCG-VN	1/0	3	19	6	0.050	0.007	0.080	1.21	1452	170
1/0-04TCG-VN	1/0	4	19	6	0.050	0.007	0.080	1.34	1816	170
2/0-03TCG-VN	2/0	3	19	6	0.050	0.007	0.080	1.32	1737	195
2/0-04TCG-VN	2/0	4	19	6	0.050	0.007	0.080	1.45	2289	195
3/0-03TCG-VN	3/0	3	19	4	0.050	0.007	0.080	1.42	2123	225
3/0-04TCG-VN	3/0	4	19	4	0.050	0.007	0.080	1.57	2755	225
4/0-03TCG-VN	4/0	3	19	4	0.050	0.007	0.080	1.54	2577	260
4/0-04TCG-VN	4/0	4	19	4	0.050	0.007	0.080	1.77	3436	260
250-03TCG-VN	250	3	37	4	0.060	0.008	0.080	1.74	3129	290
250-04TCG-VN	250	4	37	4	0.060	0.008	0.110	1.94	4047	290
350-03TCG-VN	350	3	37	3	0.060	0.008	0.110	1.98	4320	350
350-04TCG-VN	350	4	37	3	0.060	0.008	0.110	2.19	5481	350
350-04TCG-VN-4/0	350	4	37	4/0	0.060	0.008	0.110	2.26	6163	350
500-03TCG-VN	500	3	37	2	0.060	0.008	0.110	2.25	5848	430
500-04TCG-VN	500	4	37	2	0.060	0.008	0.110	2.50	7577	430
600-03TCG-VN	600	3	61	2	0.070	0.009	0.110	2.47	6873	475
750-03TCG-VN	750	3	61	1	0.070	0.009	0.110	2.72	8588	535
750-04TCG-VN	750	4	61	1	0.070	0.009	0.140	3.09	11348	535

All values are nominal and subject to correction

**Ampacities for not more than three current-carrying conductors in raceway, cable, or earth (directly buried) at ambient temperature of 30°C per NEC table 310.16. Refer to the NEC for deratings due to different conditions.*

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