

Tray Cable UL Type TC / TC-ER – 600/1000V XHHW-2 Conductors – with Ground – PVC Jacket



APPLICATION:

Primarily used for power, control, signal, communication and lighting circuits in commercial and industrial environments. Suitable for installation in cable trays, supported by messenger in open air, raceways, channels, conduits and ducts. Approved for direct burial applications 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 per ASTM B-3, Class B stranding per ASTM B-8

INSULATION:

- Flame retardant Cross-linked Polyethylene (XLPE) that is heat and moisture resistant XHHW-2 per UL 44

GROUND:

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

ASSEMBLY:

- Conductors and ground are cabled together with or without fillers as required to form a round compact cable core with a binder tape

COLOR CODE:

Black insulation with ICEA Method 4

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

JACKET:

- Flame and sunlight resistant black PVC rated 90°C wet or dry per UL 1277

STANDARDS:

- UL Listed as TC-ER (Exposed Run) per UL Standard 1277 and used in accordance with NEC for 3 or more conductors.
- UL 44 Type XHHW-2
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test
- NEMA WC70/ICEA S-95-658
- Sunlight Resistant, Oil Resistant
- IEEE 1202 and CSA FT4 70,000 BTU Flame Test
- NFPA 70 National Electrical Code
- Rated at 90°C wet or dry

OPTIONS:

- ICEA Method 1, Table E-1 Color Code
- VW-1 XHHW-2 rated Conductors
- ICEA T-29-520 210,000 BTU



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Part Number	Conductor Size	No. of Conductors	No. of Strands	Ground Wire Size	Insulation Thickness		Jacket Thickness		Overall Diameter	Net Weight
	AWG/KCMIL			AWG	inches	mm	inches	mm	inches	lbs/kft
12-03TCG-XLP	12	3	7	12	0.030	0.76	0.045	1.14	0.47	145
10-03TCG-XLP	10	3	7	10	0.030	0.76	0.045	1.14	0.52	205
8-03TCG-XLP	8	3	7	10	0.045	1.14	0.060	1.52	0.67	323
8-04TCG-XLP	8	4	7	10	0.045	1.14	0.060	1.52	0.73	392
6-02TCG-XLP	6	2	7	8	0.045	1.14	0.060	1.52	0.68	342
6-03TCG-XLP	6	3	7	8	0.045	1.14	0.060	1.52	0.77	451
6-04TCG-XLP	6	4	7	8	0.045	1.14	0.060	1.52	0.89	595
4-03TCG-XLP	4	3	7	8	0.045	1.14	0.060	1.52	0.82	596
4-04TCG-XLP	4	4	7	8	0.045	1.14	0.060	1.52	0.95	792
2-03TCG-XLP	2	3	7	6	0.045	1.14	0.080	2.03	0.99	922
2-04TCG-XLP	2	4	7	6	0.045	1.14	0.080	2.03	1.09	1176
1-03TCG-XLP	1	3	19	6	0.055	1.40	0.080	2.03	1.09	1200
1-04TCG-XLP	1	4	19	6	0.055	1.40	0.080	2.03	1.22	1470
1/0-03TCG-XLP	1/0	3	19	6	0.055	1.40	0.080	2.03	1.18	1358
1/0-04TCG-XLP	1/0	4	19	6	0.055	1.40	0.080	2.03	1.31	1772
2/0-03TCG-XLP	2/0	3	19	6	0.055	1.40	0.080	2.03	1.27	1663
2/0-04TCG-XLP	2/0	4	19	6	0.055	1.40	0.080	2.03	1.42	2151
3/0-03TCG-XLP	3/0	3	19	4	0.055	1.40	0.080	2.03	1.41	2156
3/0-04TCG-XLP	3/0	4	19	4	0.055	1.40	0.080	2.03	1.54	2667
4/0-03TCG-XLP	4/0	3	19	4	0.055	1.40	0.080	2.03	1.54	2506
4/0-04TCG-XLP	4/0	4	19	4	0.055	1.40	0.080	2.03	1.69	3305
250-03TCG-XLP	250	3	37	4	0.065	1.65	0.080	2.03	1.63	2941
250-04TCG-XLP	250	4	37	4	0.065	1.65	0.080	2.03	1.88	5845
350-03TCG-XLP	350	3	37	3	0.065	1.65	0.110	2.79	1.93	4103
350-04TCG-XLP	350	4	37	3	0.065	1.65	0.110	2.79	2.12	5300
500-03TCG-XLP	500	3	37	2	0.065	1.65	0.110	2.79	2.19	5670
500-04TCG-XLP	500	4	37	2	0.065	1.65	0.110	2.79	2.43	7391
600-03TCG-XLP	600	3	61	2	0.080	2.03	0.110	2.79	2.40	7032
600-04TCG-XLP	600	4	61	2	0.080	2.03	0.110	2.79	2.65	9127
750-03TCG-XLP	750	3	61	1	0.080	2.03	0.140	3.56	2.72	8465
750-04TCG-XLP	750	4	61	1	0.080	2.03	0.140	3.56	3.09	11187

All values are nominal and subject to correction

