

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 (FR-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 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.
- Approved for Class 1 or 2, Division 2 industrial hazardous locations per NEC
- Individual conductors rated XHHW-2
- Rated at 90°C wet or dry
- Gasoline and Oil Resistant II Jacket
- Meets cold bend test at -25°C
- NEMA WC70/ICEA S-95-658, NEMA WC57/ICEA S-73-532
- IEEE 1202 and CSA FT4 70,000 BTU Flame Test
- IEEE 383 70,000 BTU Vertical Flame Test

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	0.465	145
10-03TCG-XLP	10	3	7	10	0.030	0.76	0.045	1.14	0.524	205
8-03TCG-XLP	8	3	7	10	0.045	1.14	0.060	1.52	0.665	323
8-04TCG-XLP	8	4	7	10	0.045	1.14	0.060	1.52	0.734	392
6-03TCG-XLP	6	3	7	8	0.045	1.14	0.060	1.52	0.769	451
6-04TCG-XLP	6	4	7	8	0.045	1.14	0.060	1.52	0.890	595
4-03TCG-XLP	4	3	7	8	0.045	1.14	0.060	1.52	0.818	596
4-04TCG-XLP	4	4	7	8	0.045	1.14	0.060	1.52	0.950	792
2-03TCG-XLP	2	3	7	6	0.045	1.14	0.080	2.03	0.989	922
2-04TCG-XLP	2	4	7	6	0.045	1.14	0.080	2.03	1.094	1176
1-03TCG-XLP	1	3	19	6	0.055	1.40	0.080	2.03	1.093	1200
1-04TCG-XLP	1	4	19	6	0.055	1.40	0.080	2.03	1.219	1470
1/0-03TCG-XLP	1/0	3	19	6	0.055	1.40	0.080	2.03	1.181	1358
1/0-04TCG-XLP	1/0	4	19	6	0.055	1.40	0.080	2.03	1.310	1772
2/0-03TCG-XLP	2/0	3	19	6	0.055	1.40	0.080	2.03	1.273	1663
2/0-04TCG-XLP	2/0	4	19	6	0.055	1.40	0.080	2.03	1.417	2151
3/0-03TCG-XLP	3/0	3	19	4	0.055	1.40	0.080	2.03	1.405	2156
3/0-04TCG-XLP	3/0	4	19	4	0.055	1.40	0.080	2.03	1.536	2667
4/0-03TCG-XLP	4/0	3	19	4	0.055	1.40	0.080	2.03	1.541	2506
4/0-04TCG-XLP	4/0	4	19	4	0.055	1.40	0.080	2.03	1.657	3243
250-03TCG-XLP	250	3	37	4	0.065	1.65	0.080	2.03	1.634	2941
250-04TCG-XLP	250	4	37	4	0.065	1.65	0.080	2.03	1.881	5845
350-03TCG-XLP	350	3	37	3	0.065	1.65	0.110	2.79	1.934	4103
350-04TCG-XLP	350	4	37	3	0.065	1.65	0.110	2.79	2.119	5300
500-03TCG-XLP	500	3	37	2	0.065	1.65	0.110	2.79	2.190	5670
500-04TCG-XLP	500	4	37	2	0.065	1.65	0.110	2.79	2.426	7391
600-03TCG-XLP	600	3	61	2	0.080	2.03	0.110	2.79	2.400	7032
600-04TCG-XLP	600	4	61	2	0.080	2.03	0.110	2.79	2.650	9127
750-03TCG-XLP	750	3	61	1	0.080	2.03	0.140	3.56	2.720	8465
750-04TCG-XLP	750	4	61	1	0.080	2.03	0.140	3.56	3.090	11187

All values are nominal and subject to correction



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