



# POWER KABEL INC.

## TRAY CABLE XHHW INSULATION TYPE TC-ER PVC JACKET 600V

### APPLICATIONS & FEATURES

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.

### INDUSTRY COMPLIANCES

- 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 pass UL VW-1 flame test and rated XHHW-2/VW1, UL 1581/UL 2556 VW-1
- Rated at 90°C wet or dry
- Oil Res I & II
- “Heavy Duty” rating per ICEA Standards
- 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
- ICEA T-29-520 210,000 BTU

### CONSTRUCTION

<b>CONDUCTORS:</b>	Fully annealed bare copper Class B compressed strand per ASTM B-3 and ASTM B-8
<b>INSULATION:</b>	Flame retardant Cross-linked Polyethylene (FR-XLPE) that is heat and moisture resistant. Also has a VW-1 rating and is XHHW-2 per UL 44
<b>ASSEMBLY:</b>	Conductors are cabled together with or without fillers as required to form a round compact cable core with a binder tape
<b>JACKET:</b>	Flame and sunlight resistant black PVC rated 90°C wet or dry per UL 1277

AWG	No of CONDUCTORS	STRANDS	INSULATION THICKNESS (INCHES)	JACKET THICKNESS (INCHES)	OVERALL DIAMETER	POUNDS PER 1000 FT
14	2	7	0.030	0.045	0.235	71
14	3	7	0.030	0.045	0.390	85
14	4	7	0.030	0.045	0.425	105
14	5	7	0.030	0.045	0.465	125
14	7	7	0.030	0.045	0.505	173
14	9	7	0.030	0.060	0.620	241
14	12	7	0.030	0.060	0.680	302
14	19	7	0.030	0.080	0.810	448
14	25	7	0.030	0.080	0.985	631
14	30	7	0.030	0.080	1.040	721
14	37	7	0.030	0.080	1.130	867
12	2	7	0.030	0.045	0.250	95
12	3	7	0.030	0.045	0.435	135
12	4	7	0.030	0.045	0.475	168
12	5	7	0.030	0.060	0.550	214
12	7	7	0.030	0.060	0.600	290
12	9	7	0.030	0.060	0.690	360
12	12	7	0.030	0.060	0.760	460
12	19	7	0.030	0.080	0.950	663
12	25	7	0.030	0.080	1.080	850
12	30	7	0.030	0.080	1.170	1003
12	37	7	0.030	0.080	1.270	1211
10	2	7	0.030	0.045	0.275	131
10	3	7	0.030	0.045	0.480	169
10	4	7	0.030	0.060	0.560	231
10	5	7	0.030	0.060	0.615	276
10	7	7	0.030	0.060	0.670	328
10	9	7	0.030	0.060	0.780	465
10	12	7	0.030	0.080	0.900	629
10	19	7	0.030	0.080	1.070	900

All values are nominal and subject to correction.