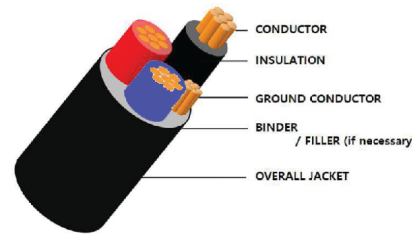


XLP TRAY CABLE UL TYPE TC / TC-ER – 600V/1KV

XHHW / XHHW-2 Insulation – with Ground – PVC Jacket

APPLICATION:

TC, TC-ER cables are used in building wiring, feeder and internal secondary industrial distribution, and specially utilized for abrasive environment, grease, gasoline and other chemical contaminated ambient locations.



CONDUCTORS:

- Solid or stranded bare copper per ASTM-B3, ASTM-B8 and ASTM-B787

INSULATION:

- Rated 90°C wet or dry to meet UL 44 for XHHW-2
- Cross-linked polyethylene (XL)
- Heat and moisture-resistant
- Flame retardant compound per UL 44 (QMTT2 PVC compound listed by UL)

GROUND CONDUCTOR:

- Insulated conductor or bare conductor.

ASSEMBLY:

- The insulated conductors are cabled together with a insulated ground or bare conductor.
- With or without fillers as required to form a round compact core.
- Nylon ripcord for easy stripping (if necessary)

PRODUCT PRINT LEGEND:

- TC-ER (no ground wire type)
- AWG O/C TYPE TC-ER-JP XHHW-2 90C 600V SUN RES OIL RES-I FT 4 / IEEE 1202 DIR BURIAL (UL) E519485 0000FTMM/YY
- TC-ER (with ground wire type)
- AWG O/CW/GND TYPE TC-ER-JP XHHW-2 90C 600V SUN RES OIL RES-I FT 4 / IEEE 1202 DIR BURIAL (UL) E519485 0000FTMM/YY

OUTER SHEATH (OVERALL JACKET):

- A flame retardant, sunlight-resistant black PVC jackets
- The thickness of the Overall Jacket is in accordance with the UL1277 standard.

PRODUCT SERVICE DESCRIPTION:

- Class 1 Division 2 rated
- ER (Exposed Run)
- Sunlight resistance
- Oil resistance-I
- Cold bend -25°C
- Direct burial
- Joist pulling
- IEEE 1202/FT4 70,000 BTU/hour flame test

STANDARDS & REFERENCE:

- ASTM 88 Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
- ASTM B3 Standard Specification for Soft or Annealed Copper Wire
- ICEA S-95-658/NEMA WC-70
- UL 1581 Reference Standard for Electrical Wires, Cables, and Flexible Cords
- UL 2556 Wire and Cable Test Methods
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
- UL 44 Thermoplastic-Insulated Wires and Cables
- UL 1277 Electrical Power and Control Tray Cables with Optional Optical-Fiber Members

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XHHW / XHHW-2 Insulation – PVC Jacket

DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)	
				mm	inch	mm	inch	mm	inch
1402XLPTC	14	2	7	0.76	0.030	1.14	0.045	9.0	0.354
1403XLPTC	14	3	7	0.76	0.030	1.14	0.045	9.5	0.374
1404XLPTC	14	4	7	0.76	0.030	1.14	0.045	10.5	0.413
1405XLPTC	14	5	7	0.76	0.030	1.14	0.045	11.5	0.453
1407XLPTC	14	7	7	0.76	0.030	1.14	0.045	12.5	0.492
1409XLPTC	14	9	7	0.76	0.030	1.52	0.060	15.5	0.610
1412XLPTC	14	12	7	0.76	0.030	1.52	0.060	17.0	0.669
1419XLPTC	14	19	7	0.76	0.030	1.52	0.060	20.0	0.787
1425XLPTC	14	25	7	0.76	0.030	2.03	0.080	24.5	0.965
1430XLPTC	14	30	7	0.76	0.030	2.03	0.080	26.0	1.102
1437XLPTC	14	37	7	0.76	0.030	2.03	0.080	28.0	1.102
1202XLPTC	12	2	7	0.76	0.030	1.14	0.045	10.0	0.394
1203XLPTC	12	3	7	0.76	0.030	1.14	0.045	10.7	0.421
1204XLPTC	12	4	7	0.76	0.030	1.14	0.045	11.8	0.465
1205XLPTC	12	5	7	0.76	0.030	1.14	0.045	13.0	0.512
1207XLPTC	12	7	7	0.76	0.030	1.52	0.060	15.0	0.591
1209XLPTC	12	9	7	0.76	0.030	1.52	0.060	17.5	0.689
1212XLPTC	12	12	7	0.76	0.030	1.52	0.060	19.5	0.768
1219XLPTC	12	19	7	0.76	0.030	2.03	0.080	23.5	0.925
1225XLPTC	12	25	7	0.76	0.030	2.03	0.080	28.0	1.102
1230XLPTC	12	30	7	0.76	0.030	2.03	0.080	29.0	1.142
1237XLPTC	12	37	7	0.76	0.030	2.03	0.080	31.0	1.220
1002XLPTC	10	2	7	0.76	0.030	1.14	0.045	11.5	0.453
1003XLPTC	10	3	7	0.76	0.030	1.14	0.045	12.0	0.472
1004XLPTC	10	4	7	0.76	0.030	1.14	0.045	14.5	0.571
1005XLPTC	10	5	7	0.76	0.030	1.52	0.060	15.5	0.610
1007XLPTC	10	7	7	0.76	0.030	1.52	0.060	17.0	0.669
1009XLPTC	10	9	7	0.76	0.030	1.52	0.060	20.0	0.787
1012XLPTC	10	12	7	0.76	0.030	2.03	0.080	23.0	0.906
1019XLPTC	10	19	7	0.76	0.030	2.03	0.080	26.5	1.043

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DWC Part No.	Conductor Size (AWG/MCM)	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)	
				mm	inch	mm	inch	mm	inch
1203XLPGTC	12	3	7	0.76	0.030	1.14	0.045	11.5	0.453
1003XLPGTC	10	3	7	0.76	0.030	1.14	0.045	14.0	0.551
0803XLPGTC	8	3	7	1.14	0.045	1.52	0.060	18.0	0.709
0804XLPGTC	8	4	7	1.14	0.045	1.52	0.060	19.0	0.748
0603XLPGTC	6	3	7	1.14	0.045	1.52	0.060	20.0	0.787
0604XLPGTC	6	4	7	1.14	0.045	1.52	0.060	22.5	0.886
0403XLPGTC	4	3	7	1.14	0.045	1.52	0.060	23.5	0.925
0404XLPGTC	4	4	7	1.14	0.045	2.03	0.080	26.0	1.024
0203XLPGTC	2	3	19	1.14	0.045	2.03	0.080	25.0	0.984
0204XLPGTC	2	4	19	1.14	0.045	2.03	0.080	28.5	1.122
0103XLPGTC	1	3	19	1.40	0.055	2.03	0.080	29.0	1.142
1/003XLPGTC	1/0	3	19	1.40	0.055	2.03	0.080	31.5	1.240
1/004XLPGTC	1/0	4	19	1.40	0.055	2.03	0.080	34.5	1.358
2/003XLPGTC	2/0	3	19	1.40	0.055	2.03	0.080	33.5	1.319
2/004XLPGTC	2/0	4	19	1.40	0.055	2.03	0.080	37.0	1.457
3/003XLPGTC	3/0	3	19	1.40	0.055	2.03	0.080	37.0	1.457
3/004XLPGTC	3/0	4	19	1.40	0.055	2.03	0.080	42.0	1.654
4/003XLPGTC	4/0	3	19	1.40	0.055	2.03	0.080	42.0	1.654
4/004XLPGTC	4/0	4	19	1.40	0.055	2.79	0.110	46.0	1.811
25003XLPGTC	250	3	37	1.65	0.065	2.79	0.110	45.5	1.791
25004XLPGTC	250	4	37	1.65	0.065	2.79	0.110	50.5	1.988
35003XLPGTC	350	3	37	1.65	0.065	2.79	0.110	51.5	2.028
35004XLPGTC	350	4	37	1.65	0.065	2.79	0.110	57.0	2.244
50003XLPGTC	500	3	37	1.65	0.065	2.79	0.110	58.0	2.283
60003XLPGTC	600	3	61	2.03	0.080	2.79	0.110	65.0	2.559
75003XLPGTC	750	3	61	2.03	0.080	3.59	0.141	73.5	2.894

Product details and specifications are subject to manufacturing variations and accepted industry tolerances. Please contact your DWC Account Manager with questions or to confirm specific product requirements.