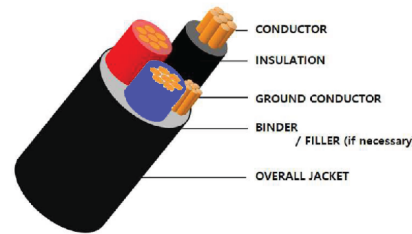


## XLP TRAY CABLE UL TYPE TC / TC-ER – 600V/1KV

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

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

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.) |       | Total Weight (lbs/1000ft) | Bending Radius (min) |      | Max. Pull Tension (lbs) |
|--------------|----------------------|-------------------|----------------|----------------------|-------|------------------|-------|----------------------------|-------|---------------------------|----------------------|------|-------------------------|
|              |                      |                   |                | mm                   | inch  | mm               | inch  | mm                         | inch  |                           | mm                   | inch |                         |
| 1402XLPTC    | 14                   | 2                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 9.0                        | 0.354 | 71.21                     | 54.0                 | 2.1  | 64                      |
| 1403XLPTC    | 14                   | 3                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 9.5                        | 0.374 | 88.85                     | 57.0                 | 2.2  | 96                      |
| 1404XLPTC    | 14                   | 4                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 10.5                       | 0.413 | 109.79                    | 63.0                 | 2.5  | 128                     |
| 1405XLPTC    | 14                   | 5                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 11.5                       | 0.453 | 132.29                    | 69.0                 | 2.7  | 161                     |
| 1407XLPTC    | 14                   | 7                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 12.5                       | 0.492 | 196.22                    | 75.0                 | 3.0  | 225                     |
| 1409XLPTC    | 14                   | 9                 | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 15.5                       | 0.610 | 249.92                    | 93.0                 | 3.7  | 289                     |
| 1412XLPTC    | 14                   | 12                | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 17.0                       | 0.669 | 335.72                    | 102.0                | 4.0  | 385                     |
| 1419XLPTC    | 14                   | 19                | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 20.0                       | 0.787 | 543.20                    | 120.0                | 4.7  | 610                     |
| 1425XLPTC    | 14                   | 25                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 24.5                       | 0.965 | 673.08                    | 147.0                | 5.8  | 803                     |
| 1437XLPTC    | 14                   | 37                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 28.0                       | 1.102 | 911.01                    | 168.0                | 6.6  | 1188                    |
| 1202XLPTC    | 12                   | 2                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 10.0                       | 0.394 | 95.61                     | 60.0                 | 2.4  | 102                     |
| 1203XLPTC    | 12                   | 3                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 10.7                       | 0.421 | 122.44                    | 64.2                 | 2.5  | 153                     |
| 1204XLPTC    | 12                   | 4                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 11.8                       | 0.465 | 153.41                    | 70.8                 | 2.8  | 204                     |
| 1205XLPTC    | 12                   | 5                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 13.0                       | 0.512 | 186.30                    | 78.0                 | 3.1  | 255                     |
| 1207XLPTC    | 12                   | 7                 | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 15.0                       | 0.591 | 274.65                    | 90.0                 | 3.5  | 358                     |
| 1209XLPTC    | 12                   | 9                 | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 17.5                       | 0.689 | 351.64                    | 105.0                | 4.1  | 460                     |
| 1212XLPTC    | 12                   | 12                | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 19.5                       | 0.768 | 567.96                    | 117.0                | 4.6  | 613                     |
| 1219XLPTC    | 12                   | 19                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 23.5                       | 0.925 | 746.64                    | 141.0                | 5.6  | 971                     |
| 1225XLPTC    | 12                   | 25                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 28.0                       | 1.102 | 935.72                    | 168.0                | 6.6  | 1277                    |
| 1230XLPTC    | 12                   | 30                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 29.0                       | 1.142 | 1081.10                   | 174.0                | 6.9  | 1533                    |
| 1237XLPTC    | 12                   | 37                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 31.0                       | 1.220 | 1287.28                   | 186.0                | 7.3  | 1890                    |
| 1002XLPTC    | 10                   | 2                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 11.5                       | 0.453 | 130.55                    | 69.0                 | 2.7  | 162                     |
| 1003XLPTC    | 10                   | 3                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 12.0                       | 0.472 | 170.61                    | 72.0                 | 2.8  | 244                     |
| 1004XLPTC    | 10                   | 4                 | 7              | 0.76                 | 0.030 | 1.14             | 0.045 | 14.5                       | 0.571 | 232.47                    | 87.0                 | 3.4  | 325                     |
| 1005XLPTC    | 10                   | 5                 | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 15.5                       | 0.610 | 282.09                    | 93.0                 | 3.7  | 406                     |
| 1007XLPTC    | 10                   | 7                 | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 17.0                       | 0.669 | 386.19                    | 102.0                | 4.0  | 568                     |
| 1009XLPTC    | 10                   | 9                 | 7              | 0.76                 | 0.030 | 1.52             | 0.060 | 20.0                       | 0.787 | 496.51                    | 120.0                | 4.7  | 731                     |
| 1012XLPTC    | 10                   | 12                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 23.0                       | 0.906 | 777.82                    | 138.0                | 5.4  | 974                     |
| 1019XLPTC    | 10                   | 19                | 7              | 0.76                 | 0.030 | 2.03             | 0.080 | 26.5                       | 1.043 | 1059.29                   | 159.0                | 6.3  | 1543                    |

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

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

| DWC Part No. | Conductor Size (AWG/MCM) | No. of Conductors | No. of Strands | Ground Size (AWG) | Insulation Thickness |       | Jacket Thickness |       | Overall Diameter (approx.) |       | Total Weight (lbs/1000ft) | Bending Radius (min) |      | Max. Pull Tension (lbs) |
|--------------|--------------------------|-------------------|----------------|-------------------|----------------------|-------|------------------|-------|----------------------------|-------|---------------------------|----------------------|------|-------------------------|
|              |                          |                   |                |                   | mm                   | inch  | mm               | inch  | mm                         | inch  |                           | mm                   | inch |                         |
| 1203XLPGTC   | 12                       | 3                 | 7              | 12                | 0.76                 | 0.030 | 1.14             | 0.045 | 11.5                       | 0.453 | 150.17                    | 69.0                 | 2.7  | 153                     |
| 1003XLPGTC   | 10                       | 3                 | 7              | 10                | 0.76                 | 0.030 | 1.14             | 0.045 | 14.0                       | 0.551 | 228.76                    | 84.0                 | 3.3  | 244                     |
| 0803XLPGTC   | 8                        | 3                 | 7              | 10                | 1.14                 | 0.045 | 1.52             | 0.060 | 18.0                       | 0.709 | 337.24                    | 108.0                | 4.3  | 388                     |
| 0804XLPGTC   | 8                        | 4                 | 7              | 10                | 1.14                 | 0.045 | 1.52             | 0.060 | 19.0                       | 0.748 | 416.87                    | 114.0                | 4.5  | 517                     |
| 0603XLPGTC   | 6                        | 3                 | 7              | 8                 | 1.14                 | 0.045 | 1.52             | 0.060 | 20.0                       | 0.787 | 478.25                    | 120.0                | 4.7  | 616                     |
| 0604XLPGTC   | 6                        | 4                 | 7              | 8                 | 1.14                 | 0.045 | 1.52             | 0.060 | 22.5                       | 0.886 | 689.64                    | 135.0                | 5.3  | 821                     |
| 0403XLPGTC   | 4                        | 3                 | 7              | 8                 | 1.14                 | 0.045 | 1.52             | 0.060 | 23.5                       | 0.925 | 723.72                    | 141.0                | 5.6  | 982                     |
| 0404XLPGTC   | 4                        | 4                 | 7              | 8                 | 1.14                 | 0.045 | 2.03             | 0.080 | 26.0                       | 1.024 | 903.22                    | 156.0                | 6.1  | 1309                    |
| 0203XLPGTC   | 2                        | 3                 | 19             | 6                 | 1.14                 | 0.045 | 2.03             | 0.080 | 25.0                       | 0.984 | 1070.40                   | 150.0                | 5.9  | 1556                    |
| 0204XLPGTC   | 2                        | 4                 | 19             | 6                 | 1.14                 | 0.045 | 2.03             | 0.080 | 28.5                       | 1.122 | 1336.56                   | 171.0                | 6.7  | 2074                    |
| 0103XLPGTC   | 1                        | 3                 | 19             | 6                 | 1.40                 | 0.055 | 2.03             | 0.080 | 29.0                       | 1.142 | 1335.38                   | 174.0                | 6.9  | 1963                    |
| 1/003XLPGTC  | 1/0                      | 3                 | 19             | 6                 | 1.40                 | 0.055 | 2.03             | 0.080 | 31.5                       | 1.240 | 1591.29                   | 189.0                | 7.4  | 2477                    |
| 1/004XLPGTC  | 1/0                      | 4                 | 19             | 6                 | 1.40                 | 0.055 | 2.03             | 0.080 | 34.5                       | 1.358 | 2012.18                   | 207.0                | 8.1  | 3303                    |
| 2/003XLPGTC  | 2/0                      | 3                 | 19             | 6                 | 1.40                 | 0.055 | 2.03             | 0.080 | 33.5                       | 1.319 | 1915.69                   | 201.0                | 7.9  | 3121                    |
| 2/004XLPGTC  | 2/0                      | 4                 | 19             | 6                 | 1.40                 | 0.055 | 2.03             | 0.080 | 37.0                       | 1.457 | 2435.72                   | 222.0                | 8.7  | 4161                    |
| 3/003XLPGTC  | 3/0                      | 3                 | 19             | 4                 | 1.40                 | 0.055 | 2.03             | 0.080 | 37.0                       | 1.457 | 2366.54                   | 222.0                | 8.7  | 3936                    |
| 3/004XLPGTC  | 3/0                      | 4                 | 19             | 4                 | 1.40                 | 0.055 | 2.03             | 0.080 | 42.0                       | 1.654 | 3009.96                   | 252.0                | 9.9  | 5248                    |
| 4/003XLPGTC  | 4/0                      | 3                 | 19             | 4                 | 1.40                 | 0.055 | 2.03             | 0.080 | 42.0                       | 1.654 | 2861.44                   | 252.0                | 9.9  | 4955                    |
| 4/004XLPGTC  | 4/0                      | 4                 | 19             | 4                 | 1.40                 | 0.055 | 2.79             | 0.110 | 46.0                       | 1.811 | 3641.55                   | 276.0                | 10.9 | 6606                    |
| 25003XLPGTC  | 250                      | 3                 | 37             | 4                 | 1.65                 | 0.065 | 2.79             | 0.110 | 45.5                       | 1.791 | 3320.64                   | 273.0                | 10.7 | 5881                    |
| 25004XLPGTC  | 250                      | 4                 | 37             | 4                 | 1.65                 | 0.065 | 2.79             | 0.110 | 50.5                       | 1.988 | 4256.71                   | 303.0                | 11.9 | 7841                    |
| 35003XLPGTC  | 350                      | 3                 | 37             | 3                 | 1.65                 | 0.065 | 2.79             | 0.110 | 51.5                       | 2.028 | 4575.56                   | 309.0                | 12.2 | 8196                    |
| 35004XLPGTC  | 350                      | 4                 | 37             | 3                 | 1.65                 | 0.065 | 2.79             | 0.110 | 57.0                       | 2.244 | 5861.63                   | 342.0                | 13.5 | 10928                   |
| 50003XLPGTC  | 500                      | 3                 | 37             | 2                 | 1.65                 | 0.065 | 2.79             | 0.110 | 58.0                       | 2.283 | 6272.90                   | 348.0                | 13.7 | 14077                   |
| 60003XLPGTC  | 600                      | 3                 | 61             | 2                 | 2.03                 | 0.080 | 2.79             | 0.110 | 65.0                       | 2.559 | 7660.26                   | 390.0                | 15.4 | 14077                   |
| 75003XLPGTC  | 750                      | 3                 | 61             | 1                 | 2.03                 | 0.080 | 3.59             | 0.141 | 73.5                       | 2.894 | 9384.20                   | 441.0                | 17.4 | 17596                   |

\*\*\*Rated for 300 lbs/ft maximum sidewall pressure

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.