

# TECK90 (XLPE) 3C 1000 Volts -40°C Copper



ASTM **3 Conductors** Class B stranded soft bare copper conductor. Insulation is XLPE, 1Kv, with a stranded bare class B bonding conductor. Interlocking aluminum armour is applied directly over the black PVC inner jacket. Finished by a low acid, gas, flame-retardant, moisture and sunlight resistant black PVC jacket.

Specifications and Compliance: Industry compliances: CSA C22.2 No. 131, Type TECK90 cable, CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations, CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90), CSA -40°C Cold Bend and -40°C Cold Impact, SUN RES, Direct Burial

Flame test compliances: C22.2 No. 2556 FT4 Vertical-Tray Flame Test, CSA FT4, CSA AG14

| RW Item #   | Conductor |              |                      | Approximate Diameters |        |              |          | *Ampacity at 90°C | Total (lbs/km) |
|-------------|-----------|--------------|----------------------|-----------------------|--------|--------------|----------|-------------------|----------------|
|             | AWC No.   | Bonding Size | Insulation Conductor | Inner (inches)        | Jacket | Outer Armour | Covering |                   |                |
| TK14-03-1KV | 3         | 14           | 14                   | .045                  | .443   | .643         | .730     | 25                | 810            |
| TK12-03-1KV | 3         | 12           | 14                   | .045                  | .484   | .684         | .771     | 30                | 974            |
| TK10-03-1KV | 3         | 10           | 12                   | .045                  | .566   | .766         | .853     | 40                | 1,250          |
| TK08-03     | 3         | 8            | 10                   | .045                  | .585   | .825         | .930     | 55                | 1,610          |
| TK06-03     | 3         | 6            | 8                    | .060                  | .735   | .975         | 1.060    | 75                | 2,112          |
| TK04-03     | 3         | 4            | 8                    | .060                  | .895   | 1.131        | 1.220    | 95                | 3,031          |
| TK03-03     | 3         | 3            | 6                    | .060                  | .940   | 1.181        | 1.265    | 115               | 3,366          |
| TK02-03     | 3         | 2            | 6                    | .060                  | 1.030  | 1.270        | 1.355    | 130               | 4,180          |
| TK01-03     | 3         | 1            | 6                    | .080                  | 1.090  | 1.330        | 1.415    | 145               | 5,050          |
| TK001-03    | 3         | 1/0          | 6                    | .080                  | 1.230  | 1.470        | 1.555    | 170               | 5,892          |
| TK002-03    | 3         | 2/0          | 6                    | .080                  | 1.328  | 1.568        | 1.625    | 195               | 7,103          |
| TK003-03    | 3         | 3/0          | 4                    | .080                  | 1.440  | 1.680        | 1.780    | 225               | 8,435          |
| TK004-03    | 3         | 4/0          | 4                    | .080                  | 1.585  | 1.825        | 1.925    | 260               | 10,486         |
| TK250-03    | 3         | 250          | 4                    | .090                  | 1.730  | 1.970        | 2.130    | 290               | 12,566         |
| TK300-03    | 3         | 300          | 4                    | .090                  | 1.847  | 2.147        | 2.252    | 320               | 14,377         |
| TK350-03    | 3         | 350          | 3                    | .090                  | 1.960  | 2.205        | 2.335    | 350               | 16,372         |
| TK400-03    | 3         | 400          | 3                    | .090                  | 2.039  | 2.339        | 2.470    | 380               | 18,157         |
| TK500-03    | 3         | 500          | 3                    | .090                  | 2.260  | 2.500        | 2.630    | 430               | 21,897         |
| TK600-03    | 3         | 600          | 2                    | .090                  | 2.587  | 2.827        | 2.957    | 475               | 25,417         |
| TK750-03    | 3         | 750          | 2                    | .090                  | 2.610  | 2.850        | 2.980    | 535               | 31,484         |

\*Ampacity values based on CEC Part I 2018, Table 2. Correction factors may apply

## Colour Code

- 3C - Black, red, & blue
- 1AWG and larger Black with number coding

All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.