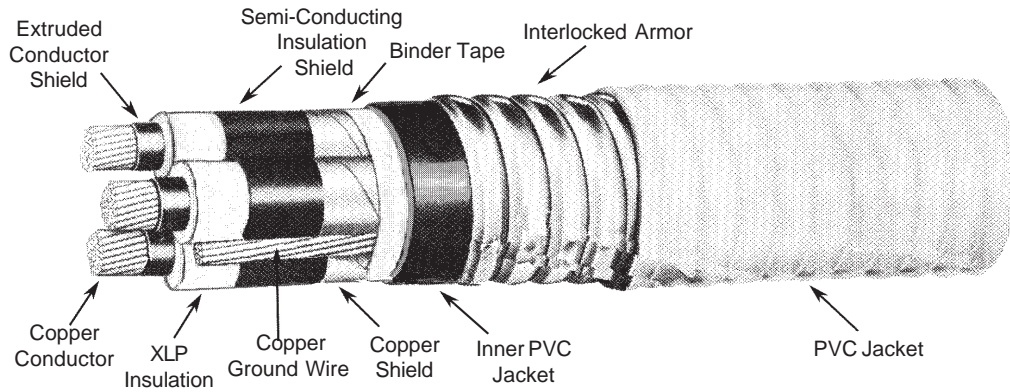


TECK HIGH VOLTAGE (MINUS 40°C) HL ARMORED POWER CABLE, 15000 VOLT XLP, SHIELDED

SPEC 8-39-6

Ver. 7.0

Revised: 05/10/06



90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL

| Conductor | | | Insulation in Mils | Inner Jacket in Mils | Size AWG Copper Ground Wire | Approximate O.D. in Inches | | Ampacity** 40°C Ambient | Approximate Net Weight~ LBS/KFT |
|-------------------|----------------|--------------|--------------------|----------------------|-----------------------------|----------------------------|---------------------|-------------------------|---------------------------------|
| Size AWG or KCMIL | No. of Strands | Nominal O.D. | | | | Over Armor | Over Overall Jacket | | |

THREE CONDUCTOR 15000 VOLT, SHIELDED, 100% INSULATION LEVEL

| | | | | | | | | | |
|-------|----|------|-----|-----|---|------|------|-----|-------|
| 2 | 7 | 0.27 | 175 | 110 | 6 | 2.23 | 2.35 | 165 | 2610 |
| 1* | 19 | 0.32 | 175 | 110 | 6 | 2.35 | 2.50 | 185 | 3005 |
| 1/0 | 19 | 0.34 | 175 | 110 | 6 | 2.38 | 2.53 | 215 | 3260 |
| 2/0 | 19 | 0.38 | 175 | 110 | 6 | 2.46 | 2.61 | 245 | 3640 |
| 3/0 | 19 | 0.42 | 175 | 110 | 4 | 2.56 | 2.71 | 285 | 4165 |
| 4/0 | 19 | 0.48 | 175 | 110 | 4 | 2.68 | 2.83 | 325 | 4745 |
| 250 | 37 | 0.52 | 175 | 110 | 4 | 2.80 | 2.95 | 360 | 5310 |
| 350 | 37 | 0.62 | 175 | 140 | 3 | 3.06 | 3.23 | 435 | 6770 |
| 500 | 37 | 0.74 | 175 | 140 | 2 | 3.38 | 3.55 | 535 | 8860 |
| 750 | 61 | 0.91 | 175 | 140 | 2 | 3.79 | 3.96 | 670 | 11970 |
| 1000* | 61 | 1.12 | 175 | 140 | 1 | 4.27 | 4.44 | 770 | 15305 |

THREE CONDUCTOR 15000 VOLT, SHIELDED, 133% INSULATION LEVEL

| | | | | | | | | | |
|-----|----|------|-----|-----|---|------|------|-----|-------|
| 2 | 7 | 0.27 | 220 | 110 | 6 | 2.43 | 2.58 | 165 | 3005 |
| 1* | 19 | 0.32 | 220 | 110 | 6 | 2.55 | 2.70 | 185 | 3340 |
| 1/0 | 19 | 0.34 | 220 | 110 | 6 | 2.58 | 2.73 | 215 | 3595 |
| 2/0 | 19 | 0.38 | 220 | 110 | 6 | 2.67 | 2.82 | 245 | 3985 |
| 3/0 | 19 | 0.42 | 220 | 110 | 4 | 2.77 | 2.92 | 285 | 4520 |
| 4/0 | 19 | 0.48 | 220 | 110 | 4 | 2.88 | 3.03 | 325 | 5110 |
| 250 | 37 | 0.52 | 220 | 110 | 4 | 3.05 | 3.22 | 360 | 5855 |
| 350 | 37 | 0.62 | 220 | 140 | 3 | 3.33 | 3.50 | 435 | 7385 |
| 500 | 37 | 0.74 | 220 | 140 | 2 | 3.58 | 3.75 | 535 | 9310 |
| 750 | 61 | 0.91 | 220 | 140 | 2 | 4.00 | 4.17 | 670 | 12465 |

Note: **Based on single cable isolated in air. For other installations refer to the CEC.

-Weights based on aluminum armor assembly.

*Compressed conductors.

The above data is approximate and subject to normal manufacturing tolerances.

STANDARDS AND RATINGS:

1. Listed as Type Power Cable by CSA per CSA 68.3.
2. Listed as FT4 & HL by CSA per CSA C22.2 No. 174.
3. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cables 5 - 46KV.

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