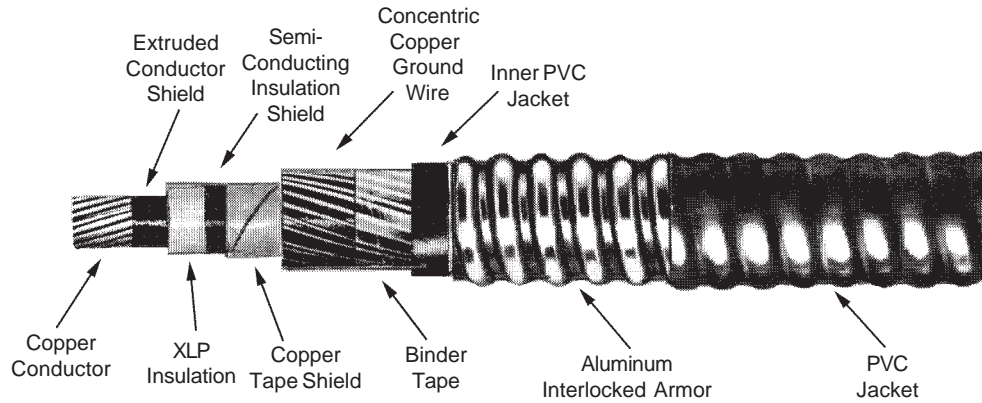


# TECK HIGH VOLTAGE (MINUS 40°C) HL ARMORED POWER CABLE, 25000/28000 VOLT OR 35000 VOLT XLP, SHIELDED

**SPEC 8-39-3.2**

Ver. 7.0  
Revised: 06/20/08



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

Size AWG or KCMIL	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
	No. of Strands	Nominal O.D.				Over Inner Jacket	Over Armor	Over Overall Jacket		

### SINGLE CONDUCTOR 25000/28000 VOLT 133% OR 35000 VOLT 100% INSULATION LEVEL

1*	19	0.32	345	80	4	1.51	1.77	1.89	225	1665
1/0	19	0.34	345	80	4	1.52	1.78	1.90	260	1750
2/0	19	0.38	345	80	4	1.56	1.82	1.94	300	1880
3/0	19	0.42	345	80	3	1.61	1.87	1.99	345	2075
4/0	19	0.48	345	80	3	1.66	1.92	2.04	495	2265
250	37	0.52	345	80	2	1.72	1.98	2.10	440	2500
350	37	0.62	345	110	1	1.88	2.14	2.26	545	3105
500	37	0.74	345	110	1/0	2.06	2.31	2.46	680	3915
750	61	0.91	345	110	2/0	2.25	2.51	2.66	870	5020
1000*	61	1.12	345	110	2/0	2.45	2.71	2.86	1040	6040

### SINGLE CONDUCTOR 35000 VOLT, SHIELDED, 133% INSULATION LEVEL

1/0	19	0.34	420	80	4	1.68	1.94	2.06	260	1960
2/0	19	0.38	420	80	4	1.72	1.98	2.10	300	2095
3/0	19	0.42	420	80	3	1.83	2.09	2.21	345	2420
4/0	19	0.48	420	110	3	1.88	2.14	2.26	395	2620
250	37	0.52	420	110	2	1.94	2.20	2.32	440	2865
350	37	0.62	420	110	1	2.06	2.32	2.47	545	3465
500	37	0.74	420	110	1/0	2.21	2.47	2.62	680	4180
750	61	0.91	420	110	2/0	2.41	2.67	2.82	870	5305

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

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

\*Compressed conductors.

## 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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