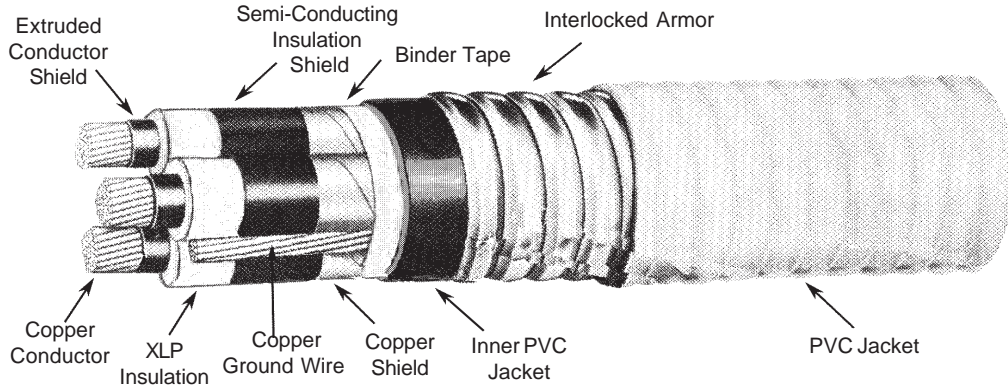


TECK HIGH VOLTAGE (MINUS 40°C) HL ARMORED POWER CABLE, 25000/28000 VOLT XLP, SHIELDED

SPEC 8-39-7
Ver. 7.0
Revised: 06/20/08



90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% 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 25000 VOLT, SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	260	110	6	2.73	2.88	185	3655
1/0	19	0.34	260	110	6	2.76	2.91	215	3910
2/0	19	0.38	260	110	6	2.85	3.00	245	4310
3/0	19	0.42	260	110	4	2.99	3.14	285	4950
4/0	19	0.48	260	140	4	3.17	3.34	325	5815
250	37	0.52	260	140	4	3.30	3.47	360	6420
350	37	0.62	260	140	3	3.51	3.68	435	7780
500	37	0.74	260	140	2	3.76	3.93	535	9730
750	61	0.91	260	140	2	4.23	4.40	670	13060

THREE CONDUCTOR 28000 VOLT, SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	280	110	6	2.82	2.97	185	3815
1/0	19	0.34	280	110	6	2.85	3.00	215	4075
2/0	19	0.38	280	110	6	2.94	3.09	245	4480
3/0	19	0.42	280	110	4	3.08	3.25	285	5190
4/0	19	0.48	280	140	4	3.26	3.43	325	6000
250	37	0.52	280	140	4	3.39	3.56	360	6615
350	37	0.62	280	140	3	3.54	3.77	435	7985
500	37	0.74	280	140	2	3.86	4.03	535	9945
750	61	0.91	280	140	2	4.32	4.49	670	13300

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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