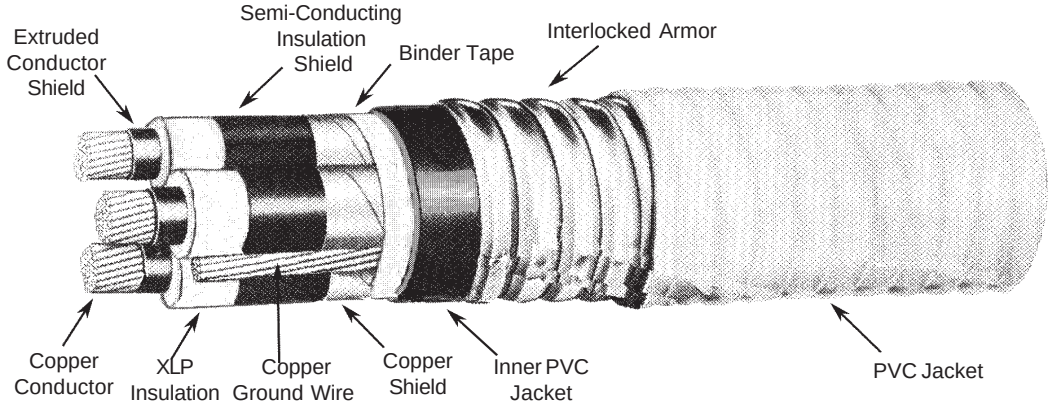
TECK HIGH VOLTAGE (MINUS 40°C) HL ARMORED POWER CABLE 8000 VOLT XLP, SHIELDED

SPEC 8-39-5
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 8000 VOLT, SHIELDED, 100% INSULATION LEVEL									
6*	7	0.18	115	80	8	1.54	1.66	93	1415
4*	7	0.23	115	80	8	1.63	1.75	120	1665
2	7	0.27	115	80	6	1.89	2.01	165	2105
1*	19	0.32	115	80	6	2.01	2.13	185	2405
1/0	19	0.34	115	110	6	2.11	2.23	215	2775
2/0	19	0.38	115	110	6	2.19	2.31	245	3145
3/0	19	0.42	115	110	4	2.29	2.44	285	3725
4/0	19	0.48	115	110	4	2.40	2.55	325	4285
250	37	0.52	115	110	3	2.53	2.68	360	4835
350	37	0.62	115	110	3	2.74	2.89	435	6105
500	37	0.74	115	140	2	3.04	3.21	535	8100
750	61	0.91	115	140	2	3.52	3.69	670	11335
1000*	61	1.12	115	140	1	3.96	4.13	770	14480
THREE CONDUCTOR 8000 VOLT, SHIELDED, 133% INSULATION LEVEL									
6*	7	0.18	140	80	8	1.65	1.77	93	1555
4*	7	0.23	140	80	8	1.91	2.03	120	1880
2	7	0.27	140	80	6	2.01	2.13	165	2260
1*	19	0.32	140	110	6	2.19	2.31	185	2690
1/0	19	0.34	140	110	6	2.22	2.34	215	2940
2/0	19	0.38	140	110	6	2.30	2.45	245	3385
3/0	19	0.42	140	110	4	2.41	2.56	285	3905
4/0	19	0.48	140	110	4	2.52	2.67	325	4470
250	37	0.52	140	110	4	2.64	2.79	360	5030
350	37	0.62	140	110	3	2.85	3.00	435	6310
500	37	0.74	140	140	2	3.22	3.39	535	8520
750	61	0.91	140	140	2	3.63	3.80	670	11595
1000*	61	1.12	140	140	1	4.07	4.24	770	14760

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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