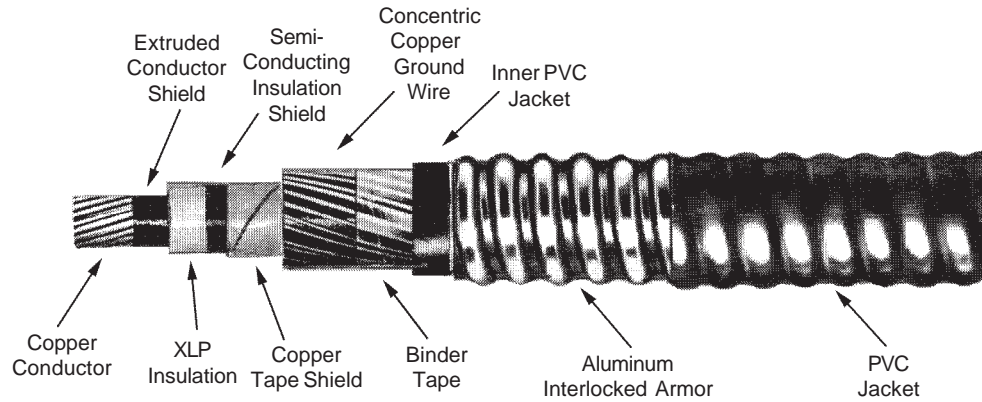


**TECK HIGH VOLTAGE (MINUS 40°C) HL ARMORED POWER CABLE,
25000/28000 VOLT XLP, SHIELDED**

SPEC 8-39-3.1

Ver. 7.0
Revised: 06/20/08



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

1*	19	0.32	260	80	4	1.31	1.49	1.59	225	1335
1/0	19	0.34	260	80	4	1.32	1.50	1.62	260	1445
2/0	19	0.38	260	80	4	1.36	1.54	1.66	300	1570
3/0	19	0.42	260	80	3	1.43	1.61	1.73	345	1780
4/0	19	0.48	260	80	3	1.48	1.66	1.78	495	1970
250	37	0.52	260	80	2	1.54	1.80	1.92	440	2260
350	37	0.62	260	80	1	1.64	1.90	2.02	545	2720
500	37	0.74	260	110	1/0	1.85	2.11	2.23	680	3525
750	61	0.91	260	110	2/0	2.07	2.33	2.48	870	4715
1000*	61	1.12	260	110	2/0	2.27	2.53	2.68	1040	5715

SINGLE CONDUCTOR 28000 VOLT, SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	280	80	4	1.35	1.53	1.65	225	1415
1/0	19	0.34	280	80	4	1.37	1.55	1.67	260	1495
2/0	19	0.38	280	80	4	1.41	1.59	1.71	300	1620
3/0	19	0.42	280	80	3	1.47	1.65	1.77	345	1835
4/0	19	0.48	280	80	3	1.53	1.79	1.91	495	2085
250	37	0.52	280	80	2	1.58	1.84	1.96	440	2315
350	37	0.62	280	80	1	1.68	1.94	2.06	545	2780
500	37	0.74	280	110	1/0	1.89	2.15	2.27	680	3590
750	61	0.91	280	110	2/0	2.11	2.37	2.52	870	4785
1000*	61	1.12	280	110	2/0	2.31	2.57	2.72	1040	5790

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

*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.

AETNA INSULATED WIRE, INC.
1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455
TELEPHONE: (800) 423-6505 FAX: (757) 605-2094
WWW.AETNAWIRE.COM

