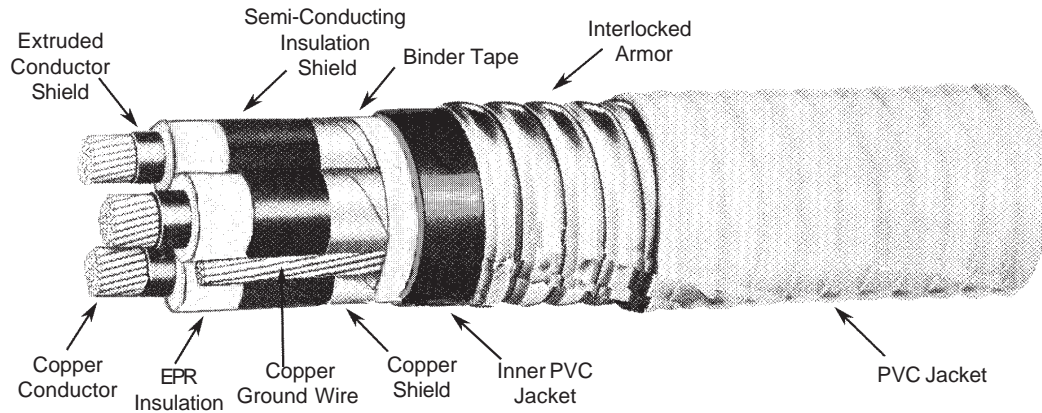


# TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 8000 VOLT EPR, SHIELDED

**SPEC 8-49-5**  
Ver. 7.0  
Revised: 05/10/06



## 105°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	105	1460
4*	7	0.23	115	80	8	1.63	1.75	135	1715
2	7	0.27	115	80	6	1.89	2.01	185	2165
1*	19	0.32	115	80	6	2.01	2.13	210	2470
1/0	19	0.34	115	110	6	2.11	2.23	240	2840
2/0	19	0.38	115	110	6	2.19	2.31	275	3215
3/0	19	0.42	115	110	4	2.29	2.44	315	3800
4/0	19	0.48	115	110	4	2.40	2.55	360	4370
250	37	0.52	115	110	4	2.53	2.68	400	4930
350	37	0.62	115	110	3	2.74	2.89	490	6210
500	37	0.74	115	140	2	3.04	3.21	600	8225
750	61	0.91	115	140	2	3.52	3.69	745	11485
1000*	61	1.12	115	140	1	3.96	4.13	860	14660

### THREE CONDUCTOR 8000 VOLT, SHIELDED, 133% INSULATION LEVEL

6*	7	0.18	140	80	8	1.65	1.77	105	1615
4*	7	0.23	140	80	8	1.91	2.03	135	1950
2	7	0.27	140	110	6	2.01	2.13	185	2330
1*	19	0.32	140	110	6	2.19	2.31	210	2775
1/0	19	0.34	140	110	6	2.22	2.34	240	3025
2/0	19	0.38	140	110	6	2.30	2.45	275	3480
3/0	19	0.42	140	110	4	2.41	2.56	315	4005
4/0	19	0.48	140	110	4	2.52	2.67	360	4580
250	37	0.52	140	110	4	2.64	2.79	400	5150
350	37	0.62	140	110	3	2.85	3.00	490	6445
500	37	0.74	140	140	2	3.22	3.39	600	8680
750	61	0.91	140	140	2	3.63	3.80	745	11780
1000*	61	1.12	140	140	1	4.07	4.24	860	14985

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 C68.3.
2. Listed as FT4 by CSA per CSA C68.3 (Aetna 3742 LSOH jacketed).
3. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cables 5 - 46KV.

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