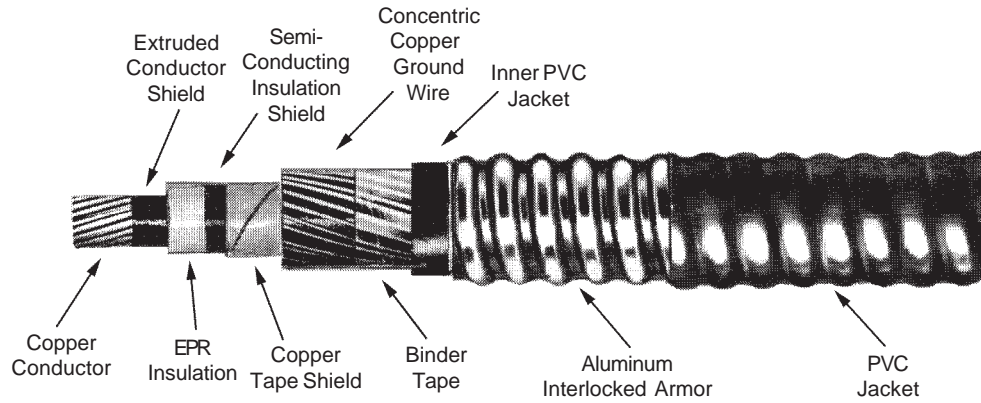


# TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 25000/28000 VOLT EPR, SHIELDED

**SPEC 8-49-3.1**

Ver.7.0  
Revised: 06/20/08



## 105°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 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	250	1395
1/0	19	0.34	260	80	4	1.32	1.50	1.62	290	1510
2/0	19	0.38	260	80	4	1.36	1.54	1.66	330	1635
3/0	19	0.42	260	80	3	1.43	1.61	1.73	380	1855
4/0	19	0.48	260	80	3	1.48	1.66	1.78	445	2045
250	37	0.52	260	80	2	1.54	1.80	1.92	490	2340
350	37	0.62	260	80	1	1.64	1.90	2.02	605	2815
500	37	0.74	260	110	1/0	1.85	2.11	2.23	755	3630
750	61	0.91	260	110	2/0	2.07	2.33	2.48	970	4840
1000*	61	1.12	260	110	2/0	2.27	2.53	2.68	1160	5860

### SINGLE CONDUCTOR 28000 VOLT, SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	280	80	4	1.35	1.53	1.65	250	1480
1/0	19	0.34	280	80	4	1.37	1.55	1.67	290	1565
2/0	19	0.38	280	80	4	1.41	1.59	1.71	330	1695
3/0	19	0.42	280	80	3	1.47	1.65	1.77	380	1915
4/0	19	0.48	280	80	3	1.53	1.79	1.91	445	2170
250	37	0.52	280	80	2	1.58	1.84	1.96	490	2405
350	37	0.62	280	80	1	1.68	1.94	2.06	605	2880
500	37	0.74	280	110	1/0	1.89	2.15	2.27	755	3700
750	61	0.91	280	110	2/0	2.11	2.37	2.52	970	4920
1000*	61	1.12	280	110	2/0	2.31	2.57	2.72	1160	5945

**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 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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