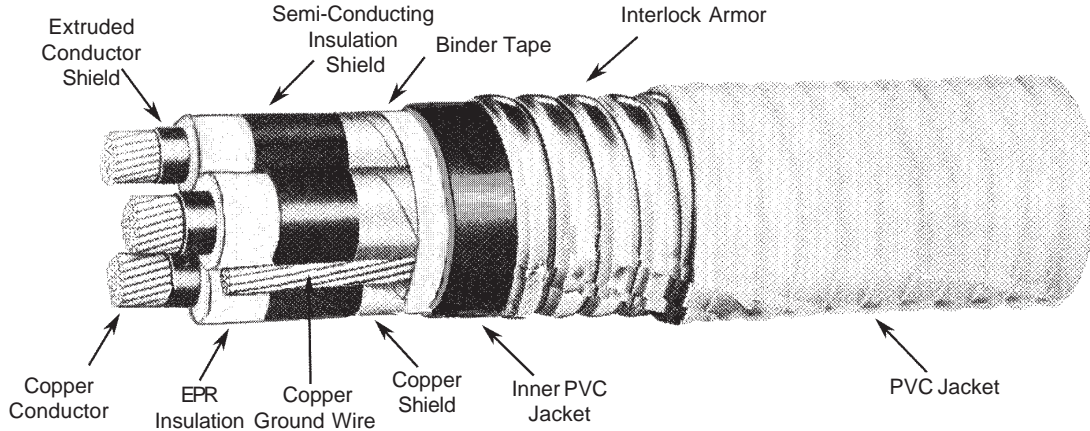


TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 5000 VOLT EPR, SHIELDED

SPEC 8-49-4
Ver. 7.0
Revised: 06/05/06



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 KCML	No. of Strands	Nominal O.D.				Over Armor	Over Overall Jacket		

THREE CONDUCTOR 5000 VOLT, SHIELDED

8*	7	0.14	90	80	8	1.35	1.45	66	1115
6*	7	0.18	90	80	8	1.42	1.52	883	1285
4*	7	0.23	90	80	8	1.52	1.64	115	1570
2	7	0.27	90	80	6	1.61	1.73	154	1935
1*	19	0.32	90	80	6	1.90	2.02	180	2300
1/0	19	0.34	90	80	6	1.93	2.05	205	2454
2/0	19	0.38	90	110	6	2.01	2.13	240	2910
3/0	19	0.42	90	110	4	2.18	2.30	280	3540
4/0	19	0.48	90	110	4	2.29	2.44	320	4170
250	37	0.52	90	110	4	2.42	2.57	355	4720
350	37	0.62	90	110	3	2.63	2.78	440	5985
500	37	0.74	90	110	2	2.88	3.03	345	7820
750	61	0.91	90	140	2	3.40	3.57	685	11200
1000*	61	1.12	90	140	1	3.84	4.01	790	14340

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

The above data is approximate and subject to normal manufacturing tolerances.

*Compressed conductors.

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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