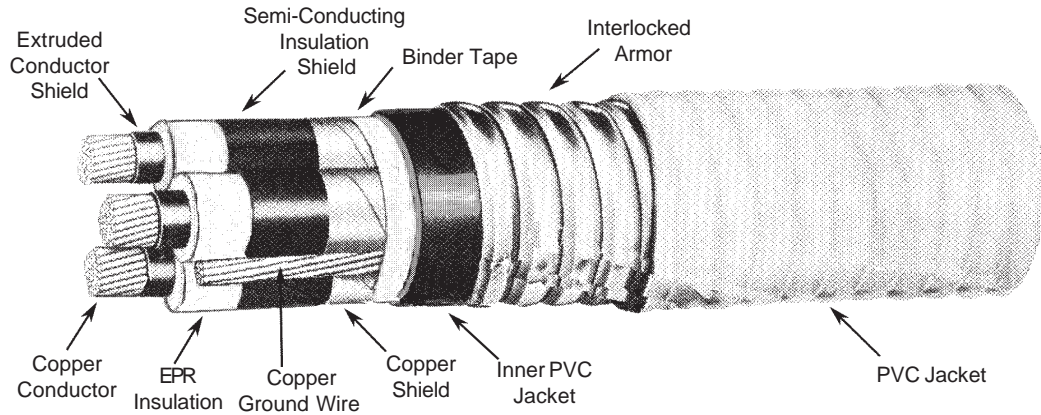


# TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 25000/28000 VOLT EPR, SHIELDED

**SPEC 8-49-7**  
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 Armor	Over Overall Jacket		

## THREE CONDUCTOR 25000 VOLT, SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	260	110	6	2.73	2.88	210	3845
1/0	19	0.34	260	110	6	2.76	2.91	240	4110
2/0	19	0.38	260	110	6	2.85	3.00	275	4520
3/0	19	0.42	260	110	4	2.99	3.14	315	5175
4/0	19	0.48	260	140	4	3.17	3.34	360	6055
250	37	0.52	260	140	4	3.30	3.47	400	6680
350	37	0.62	260	140	3	3.51	3.68	490	8070
500	37	0.74	260	140	2	3.76	3.93	600	10055
750	61	0.91	260	140	2	4.23	4.40	745	13445

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

1*	19	0.32	280	110	6	2.82	2.97	210	4030
1/0	19	0.34	280	110	6	2.85	3.00	240	4295
2/0	19	0.38	280	110	6	2.94	3.09	275	4710
3/0	19	0.42	280	110	4	3.08	3.25	315	5440
4/0	19	0.48	280	140	4	3.26	3.43	360	6265
250	37	0.52	280	140	4	3.39	3.56	400	6900
350	37	0.62	280	140	3	3.54	3.77	490	8300
500	37	0.74	280	140	2	3.86	4.03	600	10300
750	61	0.91	280	140	2	4.32	4.49	745	13720

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

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

-Weights based on aluminum armor assembly.

\*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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