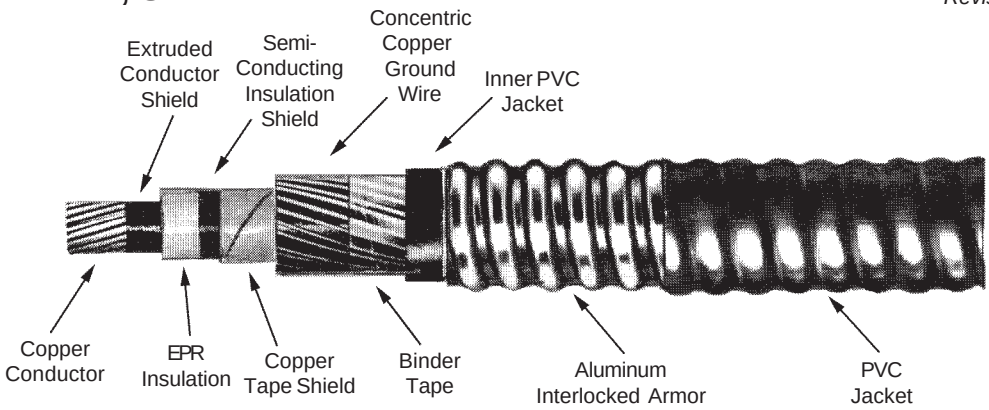
TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 8000 VOLT EPR, SHIELDED

SPEC 8-49-2
Ver. 7.0
Revised: 05/28/08



105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL

Conductor					Size* AWG Copper Ground Wire	Approximate O.D. in Inches				
Size AWG or KCMIL	No. of Strands	Nominal O.D.	Insulation in Mils	Inner Jacket in Mils		Over Inner Jacket	Over Armor	Over Overall Jacket	Ampacity** 40°C Ambient	Approximate Net Weight LBS/KFT
SINGLE CONDUCTOR 8000 VOLT, SHIELDED, 100% INSULATION LEVEL										
6*	7	0.18	115	60	8	0.83	1.01	1.11	125	625
4*	7	0.23	115	60	6	0.91	1.09	1.19	165	785
2	7	0.27	115	60	6	0.95	1.13	1.23	215	895
1*	19	0.32	115	60	4	1.01	1.19	1.29	250	1045
1/0	19	0.34	115	80	4	1.02	1.20	1.30	290	1120
2/0	19	0.38	115	80	4	1.06	1.24	1.34	335	1240
3/0	19	0.42	115	80	3	1.11	1.29	1.39	385	1420
4/0	19	0.48	115	80	3	1.16	1.34	1.44	445	1595
250	37	0.52	115	80	2	1.22	1.40	1.50	495	1810
350	37	0.62	115	80	1	1.31	1.49	1.59	610	2255
500	37	0.74	115	80	1/0	1.49	1.67	1.79	765	2965
750	61	0.91	115	80	2/0	1.68	1.94	2.06	990	4045
1000*	61	1.12	115	110	2/0	1.94	2.20	2.32	1185	5130
SINGLE CONDUCTOR 8000 VOLT, SHIELDED, 133% INSULATION LEVEL										
6*	7	0.18	140	60	8	0.92	1.10	1.20	125	715
4*	7	0.23	140	60	6	0.96	1.14	1.24	165	830
2	7	0.27	140	80	6	1.00	1.18	1.28	215	940
1*	19	0.32	140	80	4	1.06	1.24	1.34	250	1090
1/0	19	0.34	140	80	4	1.07	1.25	1.35	290	1165
2/0	19	0.38	140	80	4	1.11	1.29	1.39	335	1285
3/0	19	0.42	140	80	3	1.16	1.34	1.44	385	1480
4/0	19	0.48	140	80	3	1.21	1.39	1.49	445	1655
250	37	0.52	140	80	2	1.27	1.45	1.55	495	1875
350	37	0.62	140	80	1	1.37	1.55	1.67	610	2355
500	37	0.74	140	80	1/0	1.54	1.80	1.92	765	3100
750	61	0.91	140	80	2/0	1.79	2.05	2.17	990	4270
1000*	61	1.12	140	110	2/0	1.99	2.25	2.40	1185	5315

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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