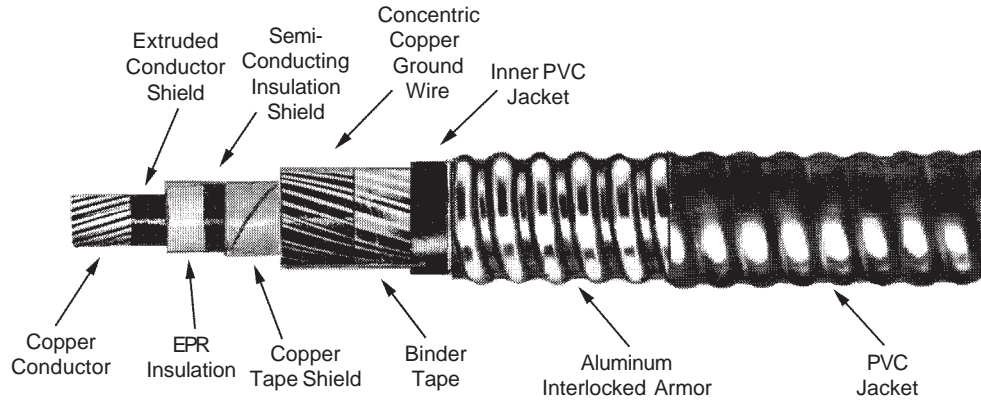


TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 5000 VOLT, EPR, SHIELDED

SPEC 8-49-1
Ver. 7.0
Revised: 05/28/08



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 Inner Jacket	Over Armor	Over Overall Jacket		

SINGLE CONDUCTOR 5000 VOLT, SHIELDED

6*	7	0.18	90	60	8	0.77	0.95	1.05	120	580
4*	7	0.23	90	60	6	0.82	1.00	1.10	160	690
2	7	0.27	90	60	6	0.90	1.08	1.18	215	845
1*	19	0.32	90	60	4	0.95	1.13	1.23	250	990
1/0	19	0.34	90	60	4	0.97	1.15	1.25	290	1065
2/0	19	0.38	90	80	4	1.01	1.19	1.29	330	1185
3/0	19	0.42	90	80	3	1.05	1.23	1.33	385	1360
4/0	19	0.48	90	80	3	1.11	1.29	1.39	445	1535
250	37	0.52	90	80	2	1.16	1.34	1.44	495	1750
350	37	0.62	90	80	1	1.26	1.44	1.54	615	2190
500	37	0.74	90	80	1/0	1.41	1.59	1.71	775	2850
750	61	0.91	90	80	2/0	1.62	1.88	2.00	1000	3960
1000*	61	1.12	90	80	2/0	1.89	2.15	2.27	1200	5035

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.

AETNA INSULATED WIRE, INC.
1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455
TELEPHONE: (800) 423-6505 FAX: (757) 605-2094
WWW.AETNAWIRE.COM

