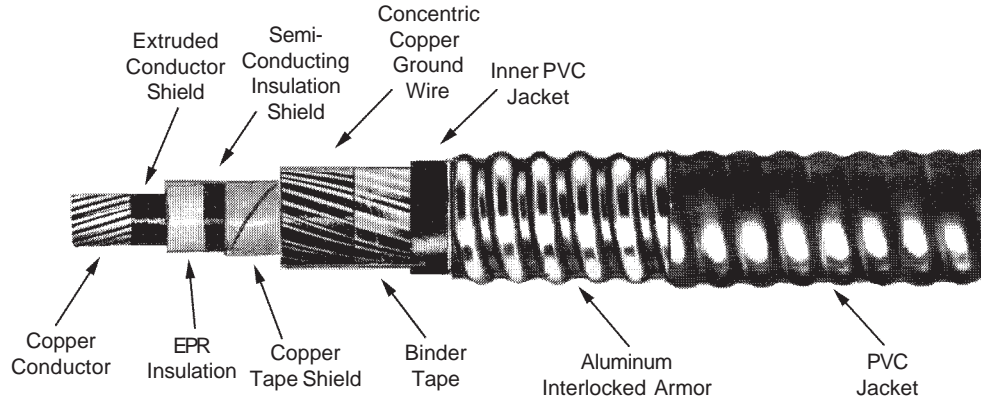


TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 35000 VOLT EPR, SHIELDED

SPEC 8-49-3.3

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 35000 VOLT, SHIELDED, 100% INSULATION LEVEL

1/0	19	0.34	345	80	4	1.52	1.78	1.90	290	1845
2/0	19	0.38	345	80	4	1.56	1.82	1.94	330	1980
3/0	19	0.42	345	80	3	1.61	1.87	1.99	380	2180
4/0	19	0.48	345	80	3	1.66	1.92	2.04	445	2380
250	37	0.52	345	80	2	1.72	1.98	2.10	490	2620
350	37	0.62	345	110	1	1.88	2.14	2.26	605	3240
500	37	0.74	345	110	1/0	2.06	2.31	2.46	755	4060
750	61	0.91	345	110	2/0	2.25	2.51	2.66	970	5195
1000*	61	1.12	345	110	2/0	2.45	2.71	2.86	1160	6240

SINGLE CONDUCTOR 35000 VOLT, SHIELDED, 133% INSULATION LEVEL

1/0	19	0.38	420	80	4	1.68	1.94	2.06	290	2085
2/0	19	0.42	420	80	4	1.72	1.98	2.10	330	2225
3/0	19	0.48	420	80	3	1.83	2.09	2.21	380	2560
4/0	19	0.52	420	110	3	1.88	2.14	2.26	445	2770
250	37	0.62	420	110	2	1.94	2.20	2.32	490	3025
350	37	0.74	420	110	1	2.06	2.32	2.47	605	3640
500	37	0.91	420	110	1/0	2.21	2.47	2.62	755	4370
750	61	1.06	420	110	2/0	2.41	2.67	2.82	970	5530

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.

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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