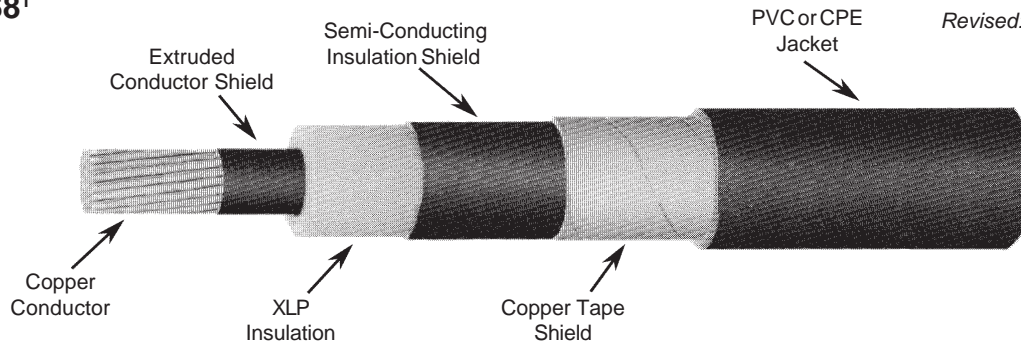


**XLP POWER CABLE, SHIELDED, 35000 VOLT, TYPE MV-90  
AEIC CS8<sup>1</sup>**

**SPEC 2-31-4.2**

Ver. 7.0

Revised: 03/28/07



**90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL**

Conductor			Insulation in Mils	Jacket in Mils	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 Insulation	Overall		

**SINGLE CONDUCTOR 35000 VOLT SHIELDED, 100% INSULATION LEVEL**

1/0	19	0.34	345	80	1.09	1.39	195	1000
2/0	19	0.38	345	80	1.13	1.43	225	1115
3/0	19	0.42	345	80	1.17	1.48	260	1260
4/0	19	0.48	345	80	1.22	1.53	295	1430
250	37	0.52	345	80	1.2.8	1.59	330	1600
350	37	0.62	345	80	1.38	1.68	395	1980
500	37	0.74	345	110	1.50	1.88	480	2670
750	61	0.91	345	110	1.68	2.08	585	3610

**SINGLE CONDUCTOR 35000 VOLT SHIELDED, 133% INSULATION LEVEL**

1/0	19	0.34	420	80	1.24	1.55	195	1155
2/0	19	0.38	420	80	1.29	1.59	225	1270
3/0	19	0.42	420	80	1.34	1.63	260	1420
4/0	19	0.48	420	80	1.39	1.69	295	1595
250	37	0.52	420	110	1.45	1.80	330	1870
350	37	0.62	420	110	1.55	1.92	395	2295
500	37	0.74	420	110	1.67	2.04	480	2870
750	61	0.91	420	110	1.86	2.24	580	3830

**Note:** \*\*Based on three single conductor cables in isolated conduit in air per NEC.

\*Compressed conductors.

<sup>1</sup>Must be specified at time of order.

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

**STANDARDS AND RATINGS:**

1. Listed by UL as Type MV-90 per Standard 1072.
2. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5 - 46KV.
3. Conforms to ICEA S-97-682 Utility Shielded Power Cables 5 - 46KV upon request.
4. All sizes are listed by UL as Sunlight Resistant and sizes #1/0 AWG & larger are listed For CT Use.
5. Conforms to AEIC CS8 upon request.
6. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).