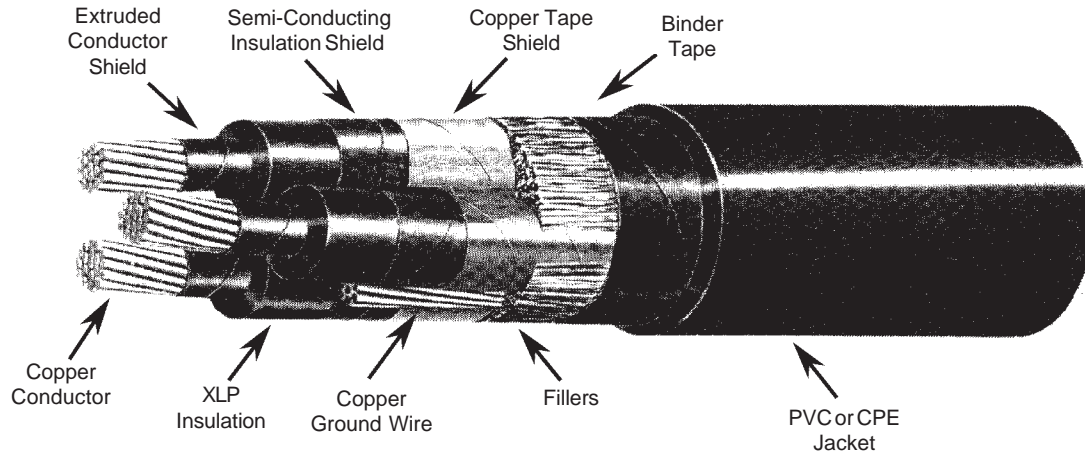


**XLP POWER CABLE, SHIELDED, 25000/28000 OR 35000 VOLT,  
TYPE MV-90**

**SPEC 2-31-9**  
Ver. 7.0  
Revised: 06/12/08



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

Conductor			Insulation in Mils	Overall 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.						

**THREE CONDUCTOR 25000/28000 VOLT 133% OR 35000 VOLT 100% INSULATION LEVEL**

1*	19	0.32	345	140	4	2.88	185	3505
1/0	19	0.34	345	140	4	2.91	215	3760
2/0	19	0.38	345	140	4	2.99	245	4150
3/0	19	0.42	345	140	3	3.09	285	4665
4/0	19	0.48	345	140	3	3.21	325	5255
250	37	0.52	345	140	2	3.33	360	5875
350	37	0.62	345	140	2	3.54	435	7155
500	37	0.74	345	140	1	3.84	535	9175
750	61	0.91	345	140	1/0	4.27	670	12360

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

1/0	19	0.34	420	140	4	3.25	215	4355
2/0	19	0.38	420	140	4	3.33	245	4760
3/0	19	0.42	420	140	3	3.43	285	5295
4/0	19	0.48	420	140	3	3.55	325	5900
250	37	0.52	420	140	2	3.67	360	6545
350	37	0.62	420	140	2	3.93	435	7975
500	37	0.74	420	140	1	4.18	535	9930

**Note:** \*\*Based on one three conductor cable isolated in air per NEC. For other installations refer to the NEC. The above data is approximate and subject to normal manufacturing tolerances.  
\*Compressed conductors.

**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. Listed by UL as Sunlight Resistant, for Direct Burial and For CT Use.
4. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).

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