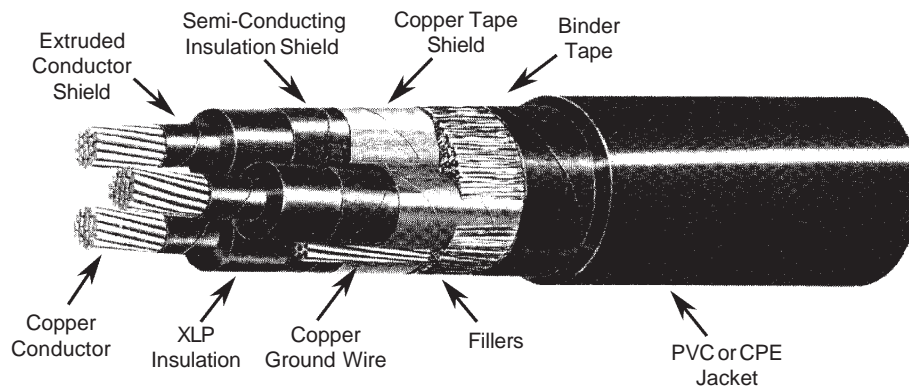


XLP POWER CABLE, SHIELDED, 15000 VOLT, TYPE MV-90

SPEC 2-31-7

Ver. 7.0

Revised: 09/14/07



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 15000 VOLT SHIELDED, 100% INSULATION LEVEL

2	7	0.27	175	110	6	1.88	165	1875
1*	19	0.32	175	110	4	2.00	185	2205
1/0	19	0.34	175	110	4	2.03	215	2445
2/0	19	0.38	175	110	4	2.11	245	2795
3/0	19	0.42	175	110	3	2.21	285	3260
4/0	19	0.48	175	110	3	2.33	325	3795
250	37	0.52	175	110	2	2.45	360	4360
350	37	0.62	175	110	2	2.71	435	5617
500	37	0.74	175	140	1	3.03	535	7570
750	61	0.91	175	140	1/0	3.44	670	10575
1000*	61	1.12	175	140	2/0	3.92	770	13745

THREE CONDUCTOR 15000 VOLT SHIELDED, 133% INSULATION LEVEL

2	7	0.27	220	110	6	2.08	165	2115
1*	19	0.32	220	110	4	2.20	185	2455
1/0	19	0.34	220	110	4	2.23	215	2700
2/0	19	0.38	220	110	4	2.32	245	3060
3/0	19	0.42	220	110	3	2.42	285	3535
4/0	19	0.48	220	110	3	2.53	325	4080
250	37	0.52	220	110	2	2.70	360	4740
350	37	0.62	220	140	2	2.97	435	6105
500	37	0.74	220	140	1	3.23	535	7935
750	61	0.91	220	140	1/0	3.65	670	10985
1000*	61	1.12	220	140	2/0	4.13	770	14200

Note: **Based on one three conductor cable isolated in air per NEC. For other installations refer to the NEC.

*Compressed conductors.

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. 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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