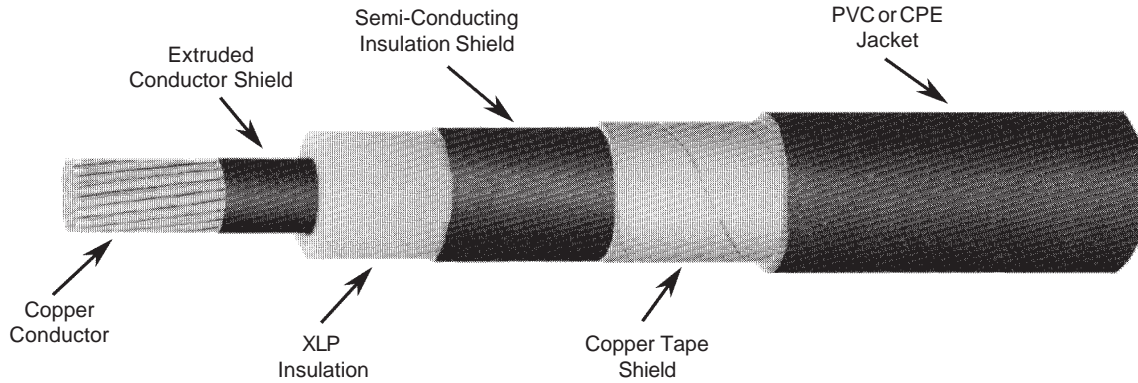


**XLP POWER CABLE, SHIELDED, 5000 VOLT, TYPE MV-90
AEIC CS8¹**

SPEC 2-31-1
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 5000 VOLT SHIELDED

8*	7	0.14	90	60	0.36	0.60	55	200
6*	7	0.18	90	60	0.39	0.64	75	240
4*	7	0.23	90	60	0.44	0.68	97	305
2	7	0.27	90	60	0.49	0.73	130	400
1*	19	0.32	90	60	0.52	0.78	155	475
1/0	19	0.34	90	60	0.55	0.81	180	545
2/0	19	0.38	90	60	0.60	0.84	205	645
3/0	19	0.42	90	80	0.65	0.92	240	805
4/0	19	0.48	90	80	0.69	0.98	280	960
250	37	0.52	90	80	0.74	1.03	315	1110
350	37	0.62	90	80	0.84	1.14	385	1460
500	37	0.74	90	80	0.96	1.26	475	1970
750	61	0.91	90	80	1.13	1.46	600	2855
1000*	61	1.12	90	80	1.34	1.67	690	3720

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

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

*Compressed conductors.

¹AEIC CS8 for 133% insulation level use specification 2-31-2. "To meet AEIC 133%" must be specified at time of order.

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 (5kV 100% only).
6. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).

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