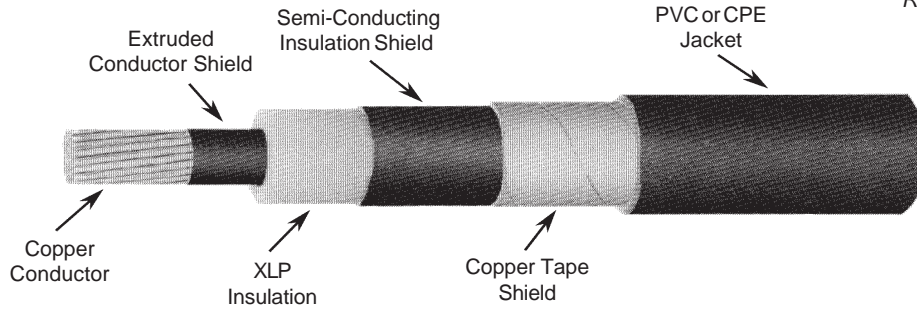


**XLP POWER CABLE, SHIELDED, 5000/8000 VOLT, TYPE MV-90
AEIC CS8¹**

SPEC 2-31-2
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 5000 VOLT (133%) or 8000 VOLT (100%) SHIELDED

6*	7	0.18	115	60	0.44	0.70	75	270
4*	7	0.23	115	60	0.49	0.74	97	335
2	7	0.27	115	60	0.54	0.79	130	425
1*	19	0.32	115	60	0.57	0.84	155	505
1/0	19	0.34	115	80	0.60	0.86	180	575
2/0	19	0.38	115	80	0.65	0.93	205	710
3/0	19	0.42	115	80	0.70	0.99	240	840
4/0	19	0.48	115	80	0.74	1.03	280	995
250	37	0.52	115	80	0.79	1.09	315	1150
350	37	0.62	115	80	0.89	1.18	385	1500
500	37	0.74	115	80	1.01	1.33	475	2035
750	61	0.91	115	80	1.18	1.51	600	2910
1000*	61	1.12	115	80	1.39	1.78	690	3875

SINGLE CONDUCTOR 8000 VOLT SHIELDED, 133% INSULATION LEVEL

6*	7	0.18	140	60	0.51	0.75	83	295
4*	7	0.23	140	60	0.56	0.79	110	360
2	7	0.27	140	60	0.62	0.84	150	455
1*	19	0.32	140	80	0.65	0.93	170	570
1/0	19	0.34	140	80	0.68	0.95	195	640
2/0	19	0.38	140	80	0.72	0.98	225	745
3/0	19	0.42	140	80	0.77	1.04	260	875
4/0	19	0.48	140	80	0.82	1.08	295	1035
250	37	0.52	140	80	0.87	1.14	330	1190
350	37	0.62	140	80	0.97	1.24	395	1540
500	37	0.74	140	80	1.09	1.38	480	2085
750	61	0.91	140	80	1.26	1.57	585	2960
1000*	61	1.12	140	110	1.47	1.84	675	3940

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

*Compressed conductors.

¹Must 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).

AETNA INSULATED WIRE, INC.
1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455
TELEPHONE: (800) 423-6505 FAX: (757) 605-2094
WWW.AETNAWIRE.COM

