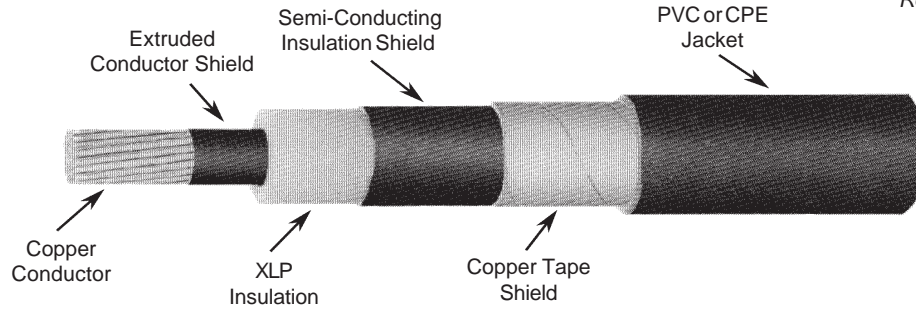


**XLP POWER CABLE, SHIELDED, 15000 VOLT, TYPE MV-90
AEIC CS8¹**

SPEC 2-31-3

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 15000 VOLT SHIELDED, 100% INSULATION LEVEL

2	7	0.27	175	80	0.67	0.95	150	535
1*	19	0.32	175	80	0.73	1.00	170	615
1/0	19	0.34	175	80	0.74	1.01	195	690
2/0	19	0.38	175	80	0.78	1.05	225	795
3/0	19	0.42	175	80	0.83	1.10	260	930
4/0	19	0.48	175	80	0.88	1.15	295	1090
250	37	0.52	175	80	0.94	1.21	330	1245
350	37	0.62	175	80	1.03	1.33	395	1625
500	37	0.74	175	80	1.15	1.45	480	2155
750	61	0.91	175	80	1.34	1.64	585	3040
1000*	61	1.12	175	110	1.54	1.92	675	4060

SINGLE CONDUCTOR 15000 VOLT SHIELDED, 133% INSULATION LEVEL

2	7	0.27	220	80	0.76	1.04	150	600
1*	19	0.32	220	80	0.82	1.09	170	685
1/0	19	0.34	220	80	0.83	1.11	195	760
2/0	19	0.38	220	80	0.87	1.15	225	870
3/0	19	0.42	220	80	0.92	1.19	260	1005
4/0	19	0.48	220	80	0.97	1.25	295	1165
250	37	0.52	220	80	1.03	1.32	330	1350
350	37	0.62	220	80	1.13	1.42	395	1715
500	37	0.74	220	80	1.25	1.54	480	2250
750	61	0.91	220	110	1.44	1.80	585	3240
1000*	61	1.12	220	110	1.63	2.01	675	4180

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

