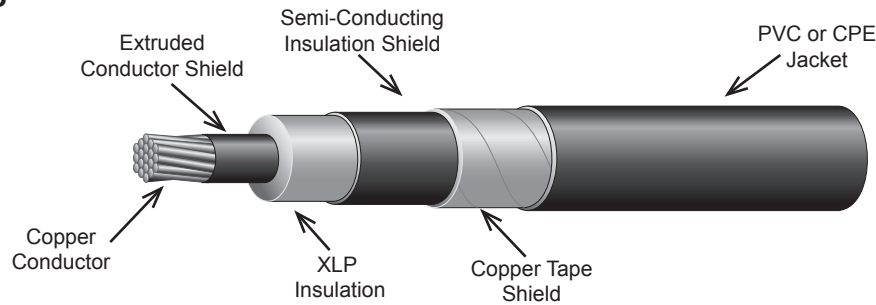


XLP POWER CABLE, SHIELDED, 25000/28000 VOLT, TYPE MV-90 AEIC CS8¹

SPEC 2-31-4

Ver. 7.2
Revised: 01/25/11



90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% 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 25000 VOLT, SHIELDED, 100% INSULATION LEVEL								
1*	19	0.32	260	80	0.90	1.18	170	750
1/0	19	0.34	260	80	0.92	1.20	195	825
2/0	19	0.38	260	80	0.96	1.24	225	935
3/0	19	0.42	260	80	1.00	1.31	260	1095
4/0	19	0.48	260	80	1.06	1.35	295	1260
250	37	0.52	260	80	1.11	1.41	330	1425
350	37	0.62	260	80	1.21	1.51	395	1795
500	37	0.74	260	80	1.33	1.67	480	2335
750	61	0.91	260	110	1.52	1.90	585	3375
1000*	61	1.12	260	110	1.72	2.10	675	4295
SINGLE CONDUCTOR 28000 VOLT, SHIELDED, 100% INSULATION LEVEL								
1*	19	0.32	280	80	0.94	1.24	170	785
1/0	19	0.34	280	80	0.95	1.25	195	860
2/0	19	0.38	280	80	0.99	1.28	225	970
3/0	19	0.42	280	80	1.04	1.35	260	1130
4/0	19	0.48	280	80	1.10	1.41	295	1300
250	37	0.52	280	80	1.16	1.46	330	1465
350	37	0.62	280	80	1.25	1.55	395	1835
500	37	0.74	280	80	1.37	1.68	480	2380
750	61	0.91	280	110	1.56	1.94	585	3430
1000*	61	1.12	280	110	1.76	2.14	675	4355

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. Sizes 1/0AWG & larger are listed by UL for IEEE 1202 (PVC jacket only).
6. Conforms to AEIC CS8 upon request.
7. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).