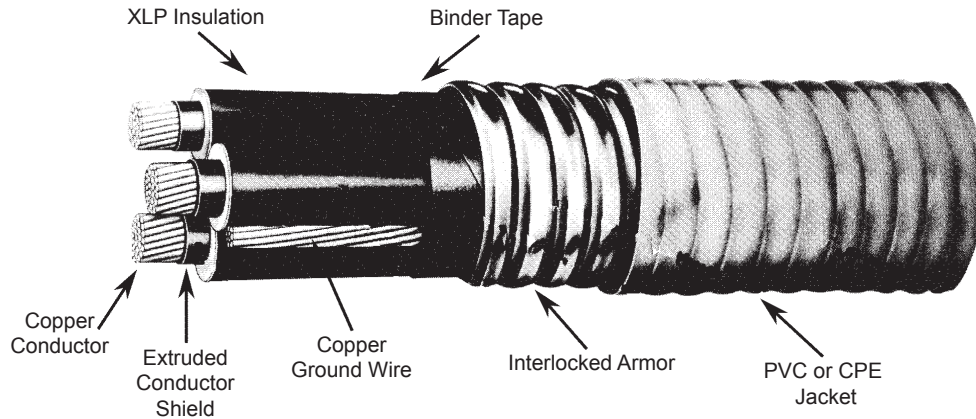


# INTERLOCKED ARMORED POWER CABLE, 2400V (5000V+) XLP, NON-SHIELDED

**SPEC 3-52-1**  
Ver. 7.1  
Revised: 12/30/08



## 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 2400 VOLT, NON-SHIELDED

8*	7	0.14	90	50	8	1.11	59	580
6*	7	0.18	90	50	6	1.19	79	750
4*	7	0.23	90	50	6	1.28	105	955
2	7	0.27	90	50	6	1.38	140	1245
1*	19	0.32	90	50	4	1.49	160	1530
1/0	19	0.34	90	50	4	1.52	185	1760
2/0	19	0.38	90	60	4	1.61	215	2080
3/0	19	0.42	90	60	3	1.73	250	2542
4/0	19	0.48	90	60	3	2.01	285	3125
250	37	0.52	90	60	2	2.14	320	3650
300*	37	0.61	90	60	2	2.34	355	4275
350	37	0.62	90	60	2	2.35	395	4770
400*	37	0.71	90	75	1	2.57	420	5535
500	37	0.74	90	75	1	2.64	485	6550
600*	61	0.87	90	75	1/0	2.95	540	7865
750	61	0.91	90	75	1/0	3.04	615	9410
1000*	61	1.12	90	85	2/0	3.51	705	12375

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

\*ICEA voltage class.

\*Compressed conductors.

§Weights based on aluminum armor assembly.

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

### STANDARDS AND RATINGS:

1. Conforms to ICEA S-96-659/NEMA WC71 Nonshielded 2001-5KV Cables.
2. Cable listed by UL as Type MV-90 or MC per Standard 1072.
3. Listed by UL as Sunlight Resistant, for Direct Burial, For CT Use and IEEE 1202.
4. Listed by UL as For CT Use & LS (Aetna 3742 LSOH jacket only)
5. Conforms to ICEA T-29-520 210 KBTU/HR Vertical Tray Flame Test (PVC jacket only)

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

