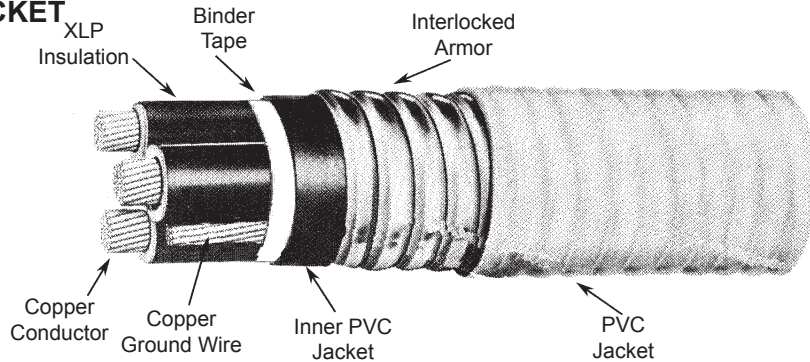


**INTERLOCKED ARMORED POWER CABLE, 600 VOLT  
FR-CROSS-LINKED POLYETHYLENE INSULATION (XHHW-2), TYPE MC  
WITH INNER JACKET**

**SPEC 3-22-2**  
Ver. 7.1  
Revised: 12/30/08



**90°C CONDUCTOR TEMPERATURE WET OR DRY**

Conductor			Insulation in Mils	Inner Jacket in Mils	Overall Jacket in Mils	Size AWG* Copper Ground Wire	Approximate O.D. in Inches	Ampacity* 90°C	Approximate Net Weight§ LBS/KFT
Size AWG or KCMIL	No. of Strands*	Nominal O.D.							

**THREE CONDUCTOR 600 VOLT**

8	7	0.14	45	50	50	8	0.98	55	500
6	7	0.18	45	50	50	8	1.01	75	630
4	7	0.23	45	50	50	8	1.11	95	825
2	7	0.28	45	50	50	6	1.24	130	1155
1	19	0.32	55	50	50	6	1.37	150	1405
1/0	19	0.36	55	50	50	6	1.46	170	1660
2/0	19	0.41	55	50	50	6	1.55	195	1970
3/0	19	0.46	55	50	60	4	1.68	225	2440
4/0	19	0.51	55	50	60	4	1.97	260	3015
250	37	0.56	65	60	60	4	2.14	290	3540
300	37	0.61	65	60	60	3	2.25	320	4125
350	37	0.66	65	60	60	3	2.36	350	4680
400	37	0.71	65	60	75	3	2.49	380	5300
500	37	0.79	65	60	75	2	2.66	430	6420
600	61	0.87	80	75	75	2	2.93	475	7690
750	61	0.97	80	75	75	1	3.17	535	9430
1000	61	1.12	80	75	85	1/0	3.49	615	12155

**FOUR CONDUCTOR 600 VOLT**

8	7	0.14	45	50	50	8	1.04	44	590
6	7	0.18	45	50	50	8	1.08	60	765
4	7	0.23	45	50	50	8	1.20	76	1020
2	7	0.28	45	50	50	6	1.34	104	1420
1	19	0.32	55	50	50	6	1.49	120	1740
1/0	19	0.36	55	50	50	6	1.58	136	2065
2/0	19	0.41	55	50	60	6	1.71	156	2505
3/0	19	0.46	55	50	60	4	2.00	180	3155
4/0	19	0.51	55	60	60	4	2.15	208	3835
250	37	0.56	65	60	60	4	2.32	232	4465
300	37	0.61	65	60	60	3	2.48	256	5285
350	37	0.66	65	60	75	3	2.60	280	6015
400	37	0.71	65	60	75	3	2.71	304	6735
500	37	0.79	65	75	75	2	2.94	344	8265
600	61	0.87	80	75	75	2	3.22	380	9880
750	61	0.97	80	75	85	1	3.47	428	12065
1000	61	1.12	80	85	85	1/0	3.85	492	15685

**Note:** \*\*Based on cables installed in uncovered cable tray at 30°C ambient temperature per NEC. The above data is approximate and subject to normal manufacturing tolerances.  
§Weights based on aluminum armor assembly.  
\*19 stranding is combination unilay per ASTM 787.

**STANDARDS AND RATINGS:**

1. Conforms to ICEA S-95-658/NEMA WC70 Nonshielded 0-2KV Cables.
2. Conductors conforms to UL 44 Thermoset-Insulated Wires and Cables.
3. Listed by UL as Type MC per Standard UL 1569.
4. Listed by UL as Sunlight Resistant, for Direct Burial, For CT Use and IEEE 1202.
5. Conforms to ICEA T-29-520 210KBTU/HR Vertical Tray Flame Test. (2AWG and larger only)

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

