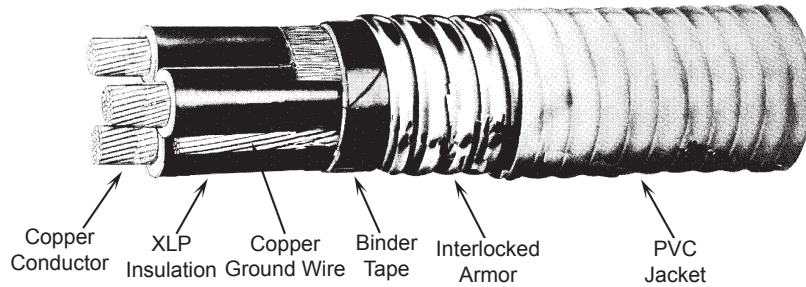


**INTERLOCKED ARMORED POWER CABLE, 600 VOLT  
FR-CROSS-LINKED POLYETHYLENE INSULATION (XHHW-2),  
TYPE MC**

**SPEC 3-22-1**  
Ver. 7.1  
Revised: 03/03/10



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

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

**THREE CONDUCTOR 600 VOLT**

|      |    |      |    |    |     |      |     |       |
|------|----|------|----|----|-----|------|-----|-------|
| 8    | 7  | 0.14 | 45 | 50 | 8   | 0.92 | 55  | 425   |
| 6    | 7  | 0.18 | 45 | 50 | 8   | 0.98 | 75  | 550   |
| 4    | 7  | 0.23 | 45 | 50 | 8   | 1.01 | 95  | 730   |
| 2    | 7  | 0.28 | 45 | 50 | 6   | 1.14 | 130 | 1050  |
| 1    | 19 | 0.32 | 55 | 50 | 6   | 1.27 | 150 | 1285  |
| 1/0  | 19 | 0.36 | 55 | 50 | 6   | 1.36 | 170 | 1530  |
| 2/0  | 19 | 0.41 | 55 | 50 | 6   | 1.45 | 195 | 1835  |
| 3/0  | 19 | 0.46 | 55 | 50 | 4   | 1.56 | 225 | 2265  |
| 4/0  | 19 | 0.51 | 55 | 60 | 4   | 1.70 | 260 | 2770  |
| 250  | 37 | 0.56 | 65 | 60 | 4   | 2.02 | 290 | 3330  |
| 300  | 37 | 0.61 | 65 | 60 | 3   | 2.13 | 320 | 3900  |
| 350  | 37 | 0.66 | 65 | 60 | 3   | 2.24 | 350 | 4445  |
| 400  | 37 | 0.71 | 65 | 60 | 3   | 2.34 | 380 | 4980  |
| 500  | 37 | 0.79 | 65 | 75 | 2   | 2.54 | 430 | 6150  |
| 600  | 61 | 0.87 | 80 | 75 | 2   | 2.78 | 475 | 7315  |
| 750  | 61 | 0.97 | 80 | 75 | 1   | 3.00 | 535 | 8965  |
| 1000 | 61 | 1.12 | 80 | 85 | 1/0 | 3.34 | 615 | 11705 |

**FOUR CONDUCTOR 600 VOLT**

|      |    |      |    |    |     |      |     |       |
|------|----|------|----|----|-----|------|-----|-------|
| 8    | 7  | 0.14 | 45 | 50 | 8   | 0.98 | 44  | 505   |
| 6    | 7  | 0.18 | 45 | 50 | 8   | 1.04 | 60  | 675   |
| 4    | 7  | 0.23 | 45 | 50 | 8   | 1.10 | 76  | 915   |
| 2    | 7  | 0.28 | 45 | 50 | 6   | 1.24 | 104 | 1305  |
| 1    | 19 | 0.32 | 55 | 50 | 6   | 1.39 | 120 | 1610  |
| 1/0  | 19 | 0.36 | 55 | 50 | 6   | 1.48 | 136 | 1930  |
| 2/0  | 19 | 0.41 | 55 | 50 | 6   | 1.59 | 156 | 2325  |
| 3/0  | 19 | 0.46 | 55 | 60 | 4   | 1.73 | 180 | 2905  |
| 4/0  | 19 | 0.51 | 55 | 60 | 4   | 2.03 | 208 | 3620  |
| 250  | 37 | 0.56 | 65 | 60 | 4   | 2.20 | 232 | 4235  |
| 300  | 37 | 0.61 | 65 | 60 | 3   | 2.33 | 256 | 4970  |
| 350  | 37 | 0.66 | 65 | 60 | 3   | 2.48 | 280 | 5750  |
| 400  | 37 | 0.71 | 65 | 75 | 3   | 2.59 | 304 | 6460  |
| 500  | 37 | 0.79 | 65 | 75 | 2   | 2.79 | 344 | 7885  |
| 600  | 61 | 0.87 | 80 | 75 | 2   | 3.05 | 380 | 9410  |
| 750  | 61 | 0.97 | 80 | 85 | 1   | 3.32 | 428 | 11615 |
| 1000 | 61 | 1.12 | 80 | 85 | 1/0 | 3.68 | 492 | 15115 |

**Note:** \*\*Based on cables installed in uncovered cable tray at 30°C ambient temperature per NEC.

§Weights based on aluminum armor assembly.

\*19 stranding is combination unilay per ASTM 787.

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

**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)

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