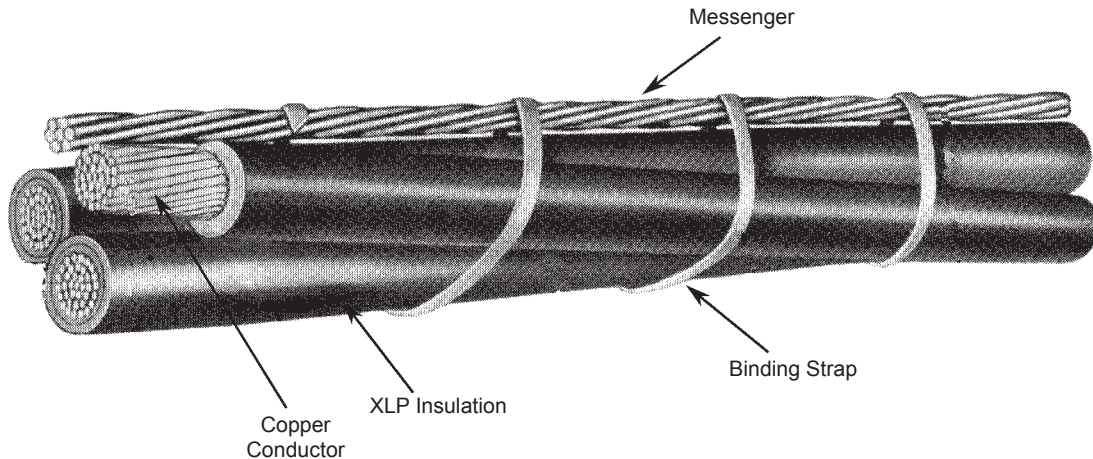


**PREASSEMBLED AERIAL CABLE, 600 VOLT
CROSS-LINKED POLYETHYLENE INSULATION (XHHW-2)**

SPEC 5-14-1
Ver.7.1
Revised: 12/04/08



90°C CONDUCTOR TEMPERATURE WET OR DRY

| Conductor | | | Insulation in Mils | Size Messenger* | | Approximate O.D. in Inches | Ampacity** 40°C Ambient | Approximate Net Weight LBS/KFT |
|----------------------|--------------------|-----------------|-----------------------|---------------------------------|---------------------|----------------------------------|-------------------------------|---|
| Size AWG or KCMIL | No. of Strands* | Nominal O.D. | | 30% EHS Copper Clad Steel | Galvanized Steel | | | |

THREE CONDUCTOR 600 VOLT

| | | | | | | | | |
|------|----|------|----|--------|-------|------|-----|-------|
| 6 | 7 | 0.18 | 45 | 3-#8 | 1/4" | 1.12 | 89 | 435 |
| 4 | 7 | 0.23 | 45 | 3-#8 | 1/4" | 1.22 | 117 | 590 |
| 3 | 7 | 0.25 | 45 | 3-#8 | 1/4" | 1.27 | 134 | 700 |
| 2 | 7 | 0.28 | 45 | 3-#8 | 1/4" | 1.35 | 158 | 840 |
| 1 | 19 | 0.32 | 55 | 3-#8 | 1/4" | 1.48 | 185 | 1030 |
| 1/0 | 19 | 0.36 | 55 | 3-#8 | 1/4" | 1.57 | 214 | 1250 |
| 2/0 | 19 | 0.41 | 55 | 5/16" | 5/16" | 1.70 | 247 | 1590 |
| 3/0 | 19 | 0.46 | 55 | 5/16" | 5/16" | 1.81 | 287 | 1930 |
| 4/0 | 19 | 0.51 | 55 | 3/8" | 5/16" | 1.99 | 335 | 2485 |
| 250 | 37 | 0.56 | 65 | 3/8" | 3/8" | 2.14 | 374 | 2890 |
| 300 | 37 | 0.61 | 65 | 3/8" | 3/8" | 2.25 | 419 | 3385 |
| 350 | 37 | 0.66 | 65 | 7/16" | 7/16" | 2.42 | 464 | 3960 |
| 400 | 37 | 0.71 | 65 | 1/2" | 7/16" | 2.58 | 503 | 4555 |
| 500 | 37 | 0.79 | 65 | 9/16" | 1/2" | 2.82 | 580 | 5670 |
| 600 | 61 | 0.87 | 80 | 9/16" | 1/2" | 3.06 | 647 | 6715 |
| 750 | 61 | 0.97 | 80 | 21/32" | 9/16" | 3.36 | 747 | 8415 |
| 1000 | 61 | 1.12 | 80 | 23/32" | 3/4" | 3.79 | 879 | 11130 |

Note:**Based on three single insulated conductors supported on a messenger per NEC Table 310.20. The above data is approximate and subject to normal manufacturing tolerances.

*Heavy loading span 150 ft.; Maximum sag at 60°F: 2.5 ft.

*19 stranding is combination unilay per ASTM 787.

STANDARDS AND RATINGS:

1. Conforms to ICEA S-95-658/NEMA WC 70 Standard for Nonshielded Power Cables 2000 Volts or Less.
2. Conforms to ICEA P-79-561 Guide for Selecting Aerial Cable Messengers and Lashing Wires.
3. Conductors are listed by UL as Type XHHW-2 per Standard UL 44.

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

