

**XHHW-2
FR-CROSS-LINKED POLYETHYLENE INSULATION, 600 VOLT
PVC OR CPE JACKET OVERALL**

SPEC 1-50-1.1

Ver. 7.2
Revised: 01/19/11



90°C CONDUCTOR TEMPERATURE, WET OR DRY							
Conductor			Insulation in Mils	Overall Jacket in Mils	Approximate O.D. in Inches	Ampacity* 90°C	Approximate Net Weight LBS/KFT
Size AWG or KCMIL	No. of Strands*	Nominal O.D					
SINGLE CONDUCTOR 600 VOLT							
4	7	0.23	45	30	0.41	95	170
3	7	0.25	45	30	0.44	110	205
2	7	0.28	45	30	0.47	130	250
1	19	0.32	55	45	0.56	150	335
1/0	19	0.36	55	45	0.60	170	405
2/0	19	0.41	55	45	0.65	195	500
3/0	19	0.46	55	45	0.70	225	615
4/0	19	0.51	55	45	0.75	260	760
250	37	0.56	65	65	0.86	290	930
300	37	0.61	65	65	0.91	320	1090
350	37	0.66	65	65	0.96	350	1260
400	37	0.71	65	65	1.01	380	1425
500	37	0.79	65	65	1.09	430	1750
600	61	0.87	80	65	1.20	475	2100
750	61	0.97	80	65	1.30	535	2590
1000	61	1.12	80	65	1.45	615	3395

Note: *Based on three conductors in raceway or conduit, 30°C ambient temperature per NEC.
*19W strand is combination unilay per ASTM 787.

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

SAMPLE LEGEND:

AETNA INS. WIRE 2 AWG TYPE XHHW-2/PVC (OR CPE) 600V SUN-RES (UL)
AETNA INS. WIRE 1/0 AWG TYPE XHHW-2/PVC (OR CPE) 600V SUN-RES FOR CT USE (UL)

LISTINGS AND RATINGS:

1. Conductors are listed by UL as Type XHHW-2 per Standard UL 44.
2. Listed by UL as Sunlight Resistant.
3. Sizes 1/0AWG and larger are listed by UL For CT Use per Standard UL 1685.
4. Sizes 1/0AWG and larger are listed by UL for IEEE 383 & 1202 (FT4) Vertical Tray Flame Test.
5. Conforms to ICEA S-95-658/NEMA WC70 Nonshielded 0-2KV Cables.

