

**XHHW-2 VW-1
FR-CROSS-LINKED POLYETHYLENE INSULATION, 600 VOLT
PVC OR CPE JACKET OVERALL**

SPEC 1-50-2.1

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	175
3	7	0.25	45	30	0.42	110	210
2	7	0.28	45	30	0.47	130	255
1	19	0.32	55	45	0.56	150	340
1/0	19	0.36	55	45	0.60	170	415
2/0	19	0.41	55	45	0.65	195	510
3/0	19	0.46	55	45	0.70	225	625
4/0	19	0.51	55	45	0.75	260	770
250	37	0.56	65	65	0.86	290	945
300	37	0.61	65	65	0.91	320	1110
350	37	0.66	65	65	0.96	350	1275
400	37	0.71	65	65	1.01	380	1445
500	37	0.79	65	65	1.09	430	1770
600	61	0.87	80	65	1.20	475	2130
750	61	0.97	80	65	1.30	535	2620
1000	61	1.12	80	65	1.45	615	3430

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 VW-1 TYPE XHHW-2/PVC (OR CPE) 600V SUN-RES (UL)

AETNA INS. WIRE 1/0 AWG VW-1 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 VW-1 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.

