

**XHHW-2
FR-CROSS-LINKED POLYETHYLENE INSULATION, 600 VOLT**

SPEC 1-50-1

Ver. 7.2
Revised: 03/02/11



90°C CONDUCTOR TEMPERATURE, WET OR DRY						
Conductor			Insulation 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						
8	7	0.14	45	0.235	55	65
6	7	0.18	45	0.275	75	95
4	7	0.23	45	0.325	95	150
3	7	0.25	45	0.353	110	185
2	7	0.28	45	0.385	130	225
1	19	0.32	55	0.445	150	290
1/0	19	0.36	55	0.485	170	360
2/0	19	0.41	55	0.530	195	450
3/0	19	0.46	55	0.580	225	560
4/0	19	0.51	55	0.640	260	700
250	37	0.56	65	0.705	290	835
300	37	0.61	65	0.760	320	990
350	37	0.66	65	0.810	350	1155
400	37	0.71	65	0.840	380	1310
500	37	0.79	65	0.940	430	1630
600	61	0.87	80	1.040	475	1965
750	61	0.97	80	1.140	535	2440
1000	61	1.12	80	1.300	615	3235

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 (BLACK ONLY):

2 AWG (33.6mm²) TYPE XHHW-2 600V SUN-RES (UL) E31697
1/0 AWG (53.5mm²) TYPE XHHW-2 600V SUN-RES FOR CT USE (UL) E31697

LISTINGS AND RATINGS:

1. Listed by UL as Type XHHW-2 per Standard UL 44.
2. Cables in black only are listed by UL as Sunlight Resistant.
3. Sizes 1/0AWG and larger are listed by UL For CT Use per Standard UL 1685.
4. Conforms to ICEA S-95-658/NEMA WC70 Nonshielded 0-2KV Cables.
5. Conforms to Federal Specification J-C-30B.

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