

RW90/XHHW-2 600V
FR-CROSS-LINKED POLYETHYLENE INSULATION, 600 VOLT

SPEC 600-1-1RW

Ver. 7.2
 Revised: 03/14/11



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	0.24	45	64
6	7	0.18	45	0.28	65	96
4	7	0.23	45	0.33	85	147
3	7	0.25	45	0.35	105	183
2	7	0.28	45	0.39	120	227
1	19	0.32	55	0.45	140	289
1/0	19	0.36	55	0.49	155	360
2/0	19	0.41	55	0.53	185	449
3/0	19	0.46	55	0.58	210	560
4/0	19	0.51	55	0.64	235	700
250	37	0.56	65	0.71	265	832
300	37	0.61	65	0.76	295	992
350	37	0.66	65	0.81	325	1152
400	37	0.71	65	0.84	345	1310
500	37	0.79	65	0.94	395	1627
600	61	0.87	80	1.04	455	1966
750	61	0.97	80	1.14	500	2441
1000	61	1.12	80	1.30	585	3231

Note: *Based on cables in raceway (3 conductors), per CEC Part 1, Table 2. For other installations refer to the CEC.
 *19W strand is combination unilay per ASTM 787.

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

SAMPLE LEGEND (BLACK ONLY):

(SFM) 2 AWG XHHW-2 600V SUN RES (UL) E31697/ XLPE RW90 (-40C) CSA LL82214 ROHS (YEAR)
 (SFM) 1/0 AWG XHHW-2 600V SUN RES FOR CT USE (UL) E31697/ XLPE RW90 (-40C) CSA LL82214 ROHS (YEAR)

LISTINGS AND RATINGS:

1. Listed as Type RW90 600V (-40°C) by CSA per CSA C22.2 No. 38.
2. Conforms to ICEA S-95-658/NEMA WC70 Nonshielded 0-2KV Cables.
3. Listed by UL as Type XHHW-2 600V per Standard UL 44.
4. Listed as Sunlight Resistant (black only) & Oil & Gasoline Resistant I & II by UL.
5. Sizes 1/0AWG and larger are listed by UL For CT Use per Standard UL 1685.
6. RoHS Compliant.

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