

**RW90 1000V/RHH or RHW-2 or USE-2 600V
FR-CROSS-LINKED POLYETHYLENE INSULATION**

SPEC 100-1-1RW

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	60	0.27	45	70
6	7	0.18	60	0.31	65	105
4	7	0.23	60	0.36	85	155
3	7	0.25	60	0.38	105	190
2	7	0.28	60	0.42	120	235
1	19	0.32	80	0.50	140	310
1/0	19	0.36	80	0.54	155	380
2/0	19	0.41	80	0.58	185	470
3/0	19	0.46	80	0.63	210	585
4/0	19	0.51	80	0.69	235	725
250	37	0.56	95	0.77	265	865
300	37	0.61	95	0.82	295	1030
350	37	0.66	95	0.88	325	1190
400	37	0.71	95	0.92	345	1350
500	37	0.79	95	1.01	395	1670
600	61	0.87	110	1.11	455	2015
750	61	0.97	110	1.21	500	2495
1000	61	1.12	110	1.35	585	3290

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 RHW-2 OR USE-2 600V SUN-RES (UL) E63678/ XLPE RW90 1000V (-40C) CSA LL82214 ROHS (YEAR)
(SFM) 1/0 AWG RHW-2 OR USE-2 600V SUN-RES FOR CT USE (UL) E63678/ XLPE RW90 1000V (-40C) CSA LL82214 ROHS (YEAR)

LISTINGS AND RATINGS:

1. Listed as Type RW90 1000V 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 USE-2 600V per Standard UL 854.
4. Listed by UL as Type RHW-2 600V per Standard UL 44.
5. Listed by UL as Sunlight Resistant (black color only).
6. RoHS Compliant.

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