

RW90

XLPE, Low-Voltage Power
600 V, CSA Type RW90, Single Conductor, Copper



Product Construction:

Conductor:

- 14 AWG thru 1000 kcmil annealed Class B compressed stranded soft drawn plain copper
- 14 AWG thru 10 AWG solid plain copper

Insulation:

- Heat- and moisture-resistant, low-temperature Cross-linked Polyethylene (XLPE), Type RW90, -40°C
- Color code: 14 AWG, 12 AWG, 10 AWG (solid) – black, white, red, blue, green, yellow, orange, brown; 10 AWG – black, white, red, blue, green; 8 AWG thru 2 AWG – black, white, red, blue, green; 1 AWG and larger – black (other colors available subject to minimum order quantity)

Print:

- GENERAL CABLE® (PLANT OF MFG) CSA RW90 XLPE SIZE (AWG OR KCMIL) CU 600V (-40°C) YEAR OF MFG SEQUENTIAL METER MARKING
- NOTE: For black insulation, add – SR

Options:

- For 1000 volt applications, use RWU90
- PVC jacket (FT1 rating)



Applications:

- In accordance with Canadian Electrical Code (CEC), Part 1
- For wiring exposed to the weather (black color only)
- For use in raceways (except cable trays) in dry, damp or wet locations in accordance with Canadian Electrical Code (CEC)
- Refer to CEC, Table 19 for conditions of use

Features:

- Rated at 90°C wet or dry
- Meets cold bend and cold impact tests at -40°C

Compliances:

- CSA Standard C22.2 No. 38
- CSA Approval number: 156400

Packaging:

- 14 AWG thru 10 AWG: 300 m reels
- 8 AWG thru 350 kcmil: 300 m or 1500 m reels
- 500 kcmil: 300 m or 1200 m reels
- 600 kcmil and 750 kcmil: 600 m reels

COND. SIZE (AWG/kcmil)	COND.** STRAND	NOMINAL COND. O.D.		MIN. AVG. INS. THICKNESS		NOMINAL DIAMETER (OVER) INSULATION		COPPER WEIGHT		NET WEIGHT		AMPACITY*** 30°C AMBIENT
		INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	

14 AWG - 1000 kcmil CONDUCTORS

14	1	0.06	1.52	0.030	0.76	0.12	3.05	12	18	16	23	25
14	7/.0240	0.07	1.78	0.030	0.76	0.13	3.30	12	18	16	24	25
12	1	0.08	2.03	0.030	0.76	0.14	3.56	20	30	24	36	30
12	7/.0302	0.09	2.29	0.030	0.76	0.15	3.81	20	30	25	38	30
10	1	0.10	2.54	0.030	0.76	0.16	4.06	31	46	36	54	40
10	7/.0381	0.11	2.79	0.030	0.76	0.17	4.32	32	48	38	57	40
8	7/.0481	0.14	3.56	0.045	1.14	0.23	5.84	50	74	62	93	55
6	7/.0606	0.18	4.57	0.045	1.14	0.27	6.86	78	116	93	139	75
4	7/.0772	0.23	5.84	0.045	1.14	0.32	8.13	129	192	149	221	95
3	7/.0867	0.25	6.35	0.045	1.14	0.34	8.64	163	243	184	274	115
2	7/.0974	0.28	7.11	0.045	1.14	0.37	9.40	200	298	224	334	130
1	19/.0664	0.32	8.13	0.055	1.40	0.43	10.92	258	384	289	430	145
1/0	19/.0745	0.36	9.14	0.055	1.40	0.47	11.94	326	485	361	538	170
2/0	19/.0837	0.41	10.41	0.055	1.40	0.52	13.21	411	612	451	672	195****
3/0	19/.0940	0.46	11.68	0.055	1.40	0.57	14.48	507	754	553	823	225
4/0	19/.1055	0.51	12.95	0.055	1.40	0.62	15.75	635	945	686	1021	260
250	37/.0822	0.56	14.22	0.065	1.65	0.69	17.53	772	1149	836	1244	290
300	37/.0900	0.61	15.49	0.065	1.65	0.74	18.80	926	1378	996	1483	320
350	37/.0972	0.66	16.76	0.065	1.65	0.79	20.07	1063	1582	1140	1696	350
400*	37/.1040	0.71	17.93	0.065	1.65	0.84	21.23	1235	1838	1318	1961	380
500	37/.1162	0.79	20.07	0.065	1.65	0.92	23.37	1509	2245	1603	2386	430
600	61/.0992	0.87	22.10	0.080	2.03	1.03	26.16	1883	2802	2004	2982	425
750	61/.1109	0.97	24.64	0.080	2.03	1.13	28.70	2316	3446	2453	3650	535
1000*	61/.1280	1.12	28.45	0.080	2.03	1.28	32.51	3088	4595	3250	4835	615

Dimensions and weights are nominal; subject to industry tolerances.

*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

**For compact-stranded constructions, the number of wires may be reduced as follows:

- 19-Wire Constructions - 18 Wires Minimum
- 37-Wire Constructions - 35 Wires Minimum
- 61-Wire Constructions - 58 Wires Minimum

***Based on CEC Part 1, Table 2 for three conductors in raceway (conduit). For underground installations, refer to CEC, Rule 4-004 for ampacity rating.

****For 3 wires, 120/240 V and 120/208 V residential services or subservices, the allowable ampacity for 2/0 AWG shall be 200A. In this case, the 5% adjustment of Rule 8-106(1) cannot be applied.



Phone: 800-243-8020
www.generalcable.com

