

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

Product Construction:

Conductor:

- 14 AWG thru 750 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) 1C SIZE (AWG OR KCMIL)(MM2) HIGH SPEED CU XLPE 600 V RW90 CSA (-40C) 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 and Benefits:

- Rated 90°C wet and dry
- Meets cold bend and cold impact tests at -40°C
- High Speed (HS) cable features a specially designed XLPE insulation that allows for fast and easy cable pulls

Compliances:

Industry Compliances:

- CSA Standard C22.2 No. 38
- CSA Approval File Number 156400

Packaging:

- Available in various standard lengths

COND. SIZE (AWG or kcmil)	COND. STRAND**	NOMINAL CONDUCTOR O.D.		MIN. AVERAGE INS. THICKNESS		NOMINAL CABLE DIAMETER		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	0.064	1.62	0.030	0.76	0.126	3.20	12	18	17	26	25
14	7/.0240	0.071	1.80	0.030	0.76	0.133	3.38	12	18	18	26	25
12	1	0.080	2.04	0.030	0.76	0.142	3.61	20	29	25	37	30
12	7/.0302	0.089	2.26	0.030	0.76	0.151	3.84	20	29	26	38	30
10	1	0.101	2.57	0.030	0.76	0.163	4.14	31	46	37	56	40
10	7/.0381	0.113	2.87	0.030	0.76	0.175	4.45	32	47	39	58	40
8	7/.0481	0.142	3.61	0.045	1.14	0.236	5.99	50	75	62	93	55
6	7/.0606	0.178	4.52	0.045	1.14	0.272	6.91	78	117	93	138	75
4	7/.0772	0.225	5.72	0.045	1.14	0.319	8.10	129	192	147	218	95
3	7/.0867	0.252	6.40	0.045	1.14	0.346	8.79	163	243	183	272	115
2	7/.0974	0.283	7.19	0.045	1.14	0.377	9.58	200	298	220	327	130
1	19/.0664	0.322	8.18	0.055	1.40	0.436	11.07	258	384	281	417	145
1/0	19/.0745	0.360	9.14	0.055	1.40	0.477	12.12	326	485	359	534	170
2/0	19/.0837	0.410	10.41	0.055	1.40	0.522	13.26	411	612	448	666	195
3/0	19/.0940	0.460	11.68	0.055	1.40	0.572	14.53	518	771	559	832	225
4/0	19/.1055	0.510	12.95	0.055	1.40	0.628	15.95	653	972	699	1041	260
250	37/.0822	0.560	14.22	0.065	1.65	0.696	17.68	772	1149	828	1233	290
300	37/.0900	0.610	15.49	0.065	1.65	0.749	19.02	926	1379	988	1470	320
350	37/.0972	0.660	16.76	0.065	1.65	0.799	20.29	1081	1609	1147	1707	350
400	37/.1040	0.710	18.03	0.065	1.65	0.844	21.44	1235	1838	1305	1943	380
500	37/.1162	0.790	20.07	0.065	1.65	0.927	23.55	1544	2298	1622	2414	430
600	61/.0992	0.870	22.10	0.080	2.03	1.038	26.37	1883	2802	1986	2956	425
750	61/.1109	0.970	24.64	0.080	2.03	1.140	28.96	2316	3447	2430	3617	535
1000	61/.1280	1.120	28.45	0.080	2.03	1.289	32.74	3088	4596	3218	4789	615

Dimensions and weights are nominal; subject to manufacturing and 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.