

# RW90 High Speed

## XLPE, Low-Voltage Power

### 600 V, CSA Type RW90, Single Conductor, Copper

**Product Construction:**

**Conductor:**

- 14 AWG thru 10 AWG annealed Class B Compressed stranded soft drawn bare copper
- 8 AWG thru 750 kcmil annealed Class B Compact stranded soft drawn bare copper
- 14 AWG thru 10 AWG solid bare copper

**Insulation:**

- Heat- and moisture-resistant, low-temperature Cross-linked Polyethylene (XLPE), Type RW90, -40°C, Sunlight Resistant (8 AWG and larger)
- Color code: 14 AWG, 12 AWG, 10 AWG – black, white, red, blue, green, yellow, orange, brown; solid colors only; 8 AWG thru 750KCM– black solid color; white, red, blue, green skim coat colors;



**Print:**

- **14 AWG through 10 AWG, all colors:**
  - PRYSMIAN GROUP (PLANT OF MFG) (MM/YEAR) RW90 XLPE (SIZE) (SIZE MM2) 600V (-40°C) CSA
- **14 AWG through 10 AWG, black:**
  - PRYSMIAN GROUP (PLANT OF MFG) (MM/YEAR) RW90 XLPE (SIZE) (SIZE MM2) 600V (-40°C) SR CSA
- **8 AWG and larger, all colors:**
  - PRYSMIAN GROUP (PLANT OF MFG) (MM/YEAR) HIGH SPEED RW90 XLPE (SIZE) (SIZE MM2) 600V (-40°C) SR CSA

**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 (all sizes), skim coat colors (8AWG and larger)
- For use in raceways 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
- Sunlight-resistant, black (14AWG - 10AWG); all colors (8AWG and larger)
- High Speed cable features a specially designed XLPE insulation that allows for fast and easy cable pulls (8AWG and larger)

**Compliances:**

- CSA Standard C22.2 No. 38
- CSA Approval File Number 155503 or 156400

**Packaging:**

- Available in various standard putups in multiples of 300 meters, contact sales

CATALOG NUMBER	COND. SIZE (AWG/ kcmil)	COND. STRAND**	NOMINAL COND. O.D.		MIN. AVG. INS. THICKNESS		NOM. DIAMETER (OVER) INS.		COPPER WEIGHT		NET WEIGHT		AMPACITY (1) 30°C AMBIENT	
			IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	@75°C	@90°C
<b>14 AWG - 1000 kcmil CONDUCTORS</b>														
388540	14	1	0.06	1.52	0.030	0.76	0.12	3.05	12	18	16	24	20	25
388550	14	7	0.07	1.78	0.030	0.76	0.13	3.30	12	18	16	24	20	25
388560	12	1	0.08	2.03	0.030	0.76	0.14	3.56	20	30	24	36	25	30
388570	12	7	0.09	2.29	0.030	0.76	0.15	3.81	20	30	25	37	25	30
388580	10	1	0.10	2.54	0.030	0.76	0.16	4.06	31	46	36	54	35	45
388590	10	7	0.11	2.79	0.030	0.76	0.17	4.32	32	48	38	57	35	45
386082	8	7	0.13	3.30	0.045	1.14	0.23	5.84	51	76	61	91	50	55
386062	6	7	0.17	4.32	0.045	1.14	0.27	6.86	81	121	93	138	65	75
386042	4	7	0.21	5.33	0.045	1.14	0.31	7.87	129	192	142	212	85	95
386032	3	7	0.24	6.10	0.045	1.14	0.33	8.38	163	243	177	264	100	115
386022	2	7	0.27	6.86	0.045	1.14	0.36	9.14	205	305	221	329	115	130
386012	1	19	0.30	7.62	0.055	1.40	0.42	10.67	259	385	281	418	130	145
386112	1/0	19	0.34	8.64	0.055	1.40	0.45	11.43	326	485	351	522	150	170
386212	2/0	19	0.38	9.65	0.055	1.40	0.49	12.45	411	612	437	651	175	195(2)
386312	3/0	19	0.42	10.67	0.055	1.40	0.54	13.72	518	771	548	815	200	225
386412	4/0	19	0.47	11.94	0.055	1.40	0.59	14.99	653	972	687	1023	230	260
386252	250	37	0.52	13.21	0.065	1.65	0.66	16.76	772	1149	812	1208	255	290
386302	300	37	0.57	14.48	0.065	1.65	0.71	18.03	925	1377	966	1438	285	320
386352	350	37	0.62	15.75	0.065	1.65	0.76	19.30	1080	1607	1122	1670	310	350
386402*	400	37	0.66	16.76	0.065	1.65	0.80	20.32	1236	1839	1310	1950	335	380
386502	500	37	0.74	18.80	0.065	1.65	0.88	22.35	1542	2295	1590	2366	380	430
386602	600	61	0.81	20.57	0.080	2.03	0.98	24.89	1850	2753	1909	2841	420	475
386752	750	61	0.91	23.11	0.080	2.03	1.08	27.43	2316	3447	2390	3556	475	535

Dimensions and weights are nominal; subject to industry tolerances.

The number of wires may be reduced as follows:

- 1AWG - 4/0AWG - 18 Wires Minimum
- 250kcmil - 500kcmil - 35 Wires Minimum
- 600kcmil - 1000kcmil - 58 Wires Minimum

(1) 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.  
(2) 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.

**COLOR CODE CHART**

COLOR CODE	COLOR
01	Black
02	White
03	Red
04	Orange
05	Yellow
06	Green
07	Blue
08	Brown

**PACKAGING CODE CHART**

PACKAGING CODE	PACKAGING
95	300 Meters
60	600 Meters
97	900 Meters
98	1200 Meters
99	1500 Meters
90	3000 Meters
96	6000 Meters



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