

# RWU90 High Speed

XLPE, Low-Voltage Power  
1000 V, CSA Type RWU90, 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

**Insulation:**

- Heat- and moisture-resistant, lowtemperature Cross-linked Polyethylene (XLPE), Type RWU90, -40°C, Sunlight Resistant (8AWG and larger)
- Color code: 14 AWG – thru 10 AWG – black, white, red, blue, green 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) RWU90 XLPE (SIZE) (SIZE MM2) 600V (-40°C) CSA
- **14 AWG through 10 AWG, black:**
  - PRYSMIAN GROUP (PLANT OF MFG) (MM/YEAR) RWU90 XLPE (SIZE) (SIZE MM2) 600V (-40°C) SR CSA
- **8 AWG and larger, all colors<sup>1</sup>:**
  - GENERAL CABLE® (PLANT OF MFG) 1C (SIZE) (SIZE MM<sup>2</sup>) HIGH SPEED CU XLPE 1000 V RWU90 CSA (-40°C) (MM) (YYYY)
- **8 AWG and larger, all colors:**
  - PRYSMIAN GROUP (PLANT OF MFG) (MM/YEAR) HIGH SPEED RWU90 XLPE (SIZE) (SIZE MM2) 600V (-40C) SR CSA

**Option:**

- 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)
- Approved for direct burial per CEC Rule 12-012
- For service entrance below ground
- 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 - 8 AWG 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>														
389570	14	7	0.07	1.78	0.060	1.52	0.19	4.83	12	18	23	34	20	25
389580	12	7	0.09	2.29	0.060	1.52	0.21	5.33	20	30	32	48	25	30
389590	10	7	0.11	2.79	0.060	1.52	0.23	5.84	32	48	46	68	35	45
392082	8	7	0.13	3.30	0.080	2.03	0.30	7.62	51	76	74	110	50	55
392062	6	7	0.17	4.32	0.080	2.03	0.34	8.64	81	121	107	159	65	75
392042	4	7	0.21	5.33	0.080	2.03	0.38	9.65	129	192	159	236	85	95
392032	3	7	0.24	6.10	0.080	2.03	0.41	10.41	163	243	195	290	100	115
392022	2	7	0.27	6.86	0.080	2.03	0.44	11.18	205	305	240	357	115	130
392012	1	19	0.30	7.62	0.095	2.41	0.50	12.70	259	385	305	454	130	145
392112	1/0	19	0.34	8.64	0.095	2.41	0.54	13.72	326	485	377	561	150	170
392212	2/0	19	0.38	9.65	0.095	2.41	0.58	14.73	411	612	466	693	175	195(2)
392312	3/0	19	0.42	10.67	0.095	2.41	0.62	15.75	518	771	578	860	200	225
392412	4/0	19	0.47	11.94	0.095	2.41	0.68	17.27	653	972	721	1073	230	260
392252	250	37	0.52	13.21	0.110	2.79	0.75	19.05	772	1149	851	1267	255	290
392302	300	37	0.57	14.48	0.110	2.79	0.80	20.32	925	1377	1028	1530	285	320
392352	350	37	0.62	15.75	0.110	2.79	0.85	21.59	1080	1607	1168	1738	310	350
392402*	400	37	0.66	16.76	0.110	2.79	0.89	22.61	1236	1839	1357	2020	335	380
392502	500	37	0.74	18.80	0.110	2.79	0.97	24.64	1542	2295	1642	2443	380	430
392602	600	61	0.81	20.57	0.125	3.18	1.07	27.18	1850	2753	1967	2927	420	475
392752	750	61	0.91	23.11	0.125	3.18	1.17	29.72	2316	3447	2453	3650	475	535

Dimensions and weights are nominal; subject to industry tolerances.

The number of wires may be reduced as follows:

- 1AWG - 4/OAWG - 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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