

# RWU90 High Speed (HS)

XLPE, Low-Voltage Power

1000 V, CSA Type RWU90, Single Conductor, Copper



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/.0240	0.07	1.78	0.060	1.52	0.19	4.83	12	18	23	34	15	15
389580	12	7/.0302	0.09	2.29	0.060	1.52	0.21	5.33	20	30	32	48	20	20
389090	10	7/.0381	0.11	2.79	0.060	1.52	0.23	5.84	32	48	46	68	30	30
390082	8	7/.0481	0.14	3.56	0.080	2.03	0.30	7.62	50	74	74	110	45	45
390062	6	7/.0606	0.18	4.57	0.080	2.03	0.34	8.64	78	116	107	159	65	65
390042	4	7/.0772	0.23	5.84	0.080	2.03	0.39	9.91	129	192	165	246	85	85
390032	3	7/.0867	0.25	6.35	0.080	2.03	0.41	10.41	163	243	202	301	100	105
390022	2	7/.0974	0.28	7.11	0.080	2.03	0.44	11.18	200	298	243	362	115	120
390012	1	19/.0664	0.32	8.13	0.095	2.41	0.51	12.95	258	384	314	467	130	140
389112	1/0	19/.0745	0.36	9.14	0.095	2.41	0.55	13.97	326	485	388	577	150	155
389212	2/0	19/.0837	0.41	10.41	0.095	2.41	0.60	15.24	411	612	481	716	175	185(2)
389312	3/0	19/.0940	0.46	11.68	0.095	2.41	0.65	16.51	507	754	585	871	200	210
389412	4/0	19/.1055	0.51	12.95	0.095	2.41	0.70	17.78	635	945	721	1073	230	235
389252	250	37/.0822	0.56	14.22	0.110	2.79	0.78	19.81	772	1149	880	1310	255	265
389302	300	37/.0900	0.61	15.49	0.110	2.79	0.83	21.08	923	1374	1043	1552	285	295
389352	350	37/.0972	0.66	16.76	0.110	2.79	0.88	22.35	1063	1582	1189	1769	310	325
389402*	400	37/.1040	0.71	18.03	0.110	2.79	0.93	23.62	1235	1838	1370	2039	335	345
389502	500	37/.1162	0.79	20.07	0.110	2.79	1.01	25.65	1509	2246	1661	2472	280	395
389602	600	61/.0992	0.87	22.10	0.125	3.18	1.09	27.69	1883	2802	2046	3045	420	455
389752	750	61/.1109	0.97	24.64	0.125	3.18	1.22	30.99	2316	3447	2522	3753	475	500
389002*	1000	61/.1280	1.12	28.45	0.125	3.18	1.37	34.80	3088	4595	3325	4948	545	585

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

(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

Put-Up Code	Length
95	300 Meters
60	600 Meters
97	900 Meters
98	1200 Meters
99	1500 Meters
90	3000 Meters
96	6000 Meters

## Product Construction:

### Conductor:

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

### Insulation:

- Heat and moisture resistant, low-temperature Cross-linked Polyethylene (XLPE), Type RWU90, -40 C
- Color Code: 14 AWG - black; 12 AWG thru 10 AWG - black, white, red, blue, green; 8 AWG thru 1 AWG — all colors; 1/0 AWG and larger - black (other colors available subject to minimum order quantity)

### Print:

#### 14 AWG THROUGH 10 AWG, ALL COLORS

- GENERAL CABLE® (PLANT OF MFG) RWU90 CSA (SIZE)(SIZEMM2) XLPE (-40C) 1000V

#### 14 AWG THROUGH 10 AWG, BLACK

- GENERAL CABLE® (PLANT OF MFG) RWU90 CSA (SIZE)(SIZEMM2) XLPE (-40C) 1000V SR

#### 8 AWG THROUGH 1 AWG, BLACK AND ALL COLORS

- GENERAL CABLE® (PLANT OF MFG) 1C (SIZE) (SIZEMM2) HIGH SPEED CU XLPE 1000V RWU90 CSA (-40C) SR (MM) (YYYY)

#### > 1 AWG, BLACK

- GENERAL CABLE® (PLANT OF MFG) 1C (SIZE) (SIZEMM2) HIGH SPEED CU XLPE 1000V RWU90 CSA (-40C) SR (MM) (YYYY)

#### > 1 AWG, ALL COLORS

- GENERAL CABLE® (PLANT OF MFG) 1C (SIZE) (SIZEMM2) HIGH SPEED CU XLPE 1000V RWU90 CSA (-40C) (MM) (YYYY)

## Applications:

- In accordance with Canadian Electrical Code (CEC), Part 1
- For wiring exposed to the weather (black or when marked SR)
- For use in raceways (except cable trays) 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; 8 AWG through 1 AWG all colors
- High Speed (HS) cable features a specially designed XLPE insulation that allows for fast and easy cable pulls - 8 AWG and larger

## Compliances:

### Industry Compliances:

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