

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 |
| 14 AWG - 1000 kcmil CONDUCTORS | | | | | | | | | | | | | | |
| 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 |



Phone: 855-720-2792
www.generalcable.com



Aluminum/Copper Canadian Mkt.