

RW90 (-40°C) XLPE 600 Volts 90°C Copper



Single stranded or solid copper conductor with low temperature moisture resistant cross-linked polyethylene insulation. Coloured insulation #8awg and larger can be marked S/R or Sun Res.

Specifications and Compliance: CSA C22.2 N° 38.

Flame test compliances: None

RW Item #	No.	AWG Size	Stranding	Insulation (inches)	Ampacity (30°C Ambient) (amps) Free Air	Ampacity (30°C Ambient) (amps) Conduit#	Nominal O.D.	Total Weight (lbs/km)
RW14SL	1	14	Solid	0.03	20	15	0.13	53
RW12SL	1	12	Solid	0.03	25	20	0.14	79
RW10SL	1	10	Solid	0.03	40	30	0.17	118
RW14ST	1	14	7 Strand	0.03	20	15	0.13	56
RW12ST	1	12	7 Strand	0.03	25	20	0.15	82
RW10ST	1	10	7 Strand	0.03	40	30	0.18	124
RW08ST	1	8	7 Strand	0.045	70	45	0.24	203
RW06ST	1	6	7 Strand	0.045	100	65	0.28	312
RW04ST	1	4	7 Strand	0.045	135	85	0.32	479
RW03ST	1	3	7 Strand	0.045	155	105	0.35	594
RW02ST	1	2	7 Strand	0.045	180	120	0.38	741
RW01ST	1	1	19 Strand	0.045	210	140	0.44	935
RW001ST	1	1/0	19 Strand	0.055	245	155	0.48	1,165
RW002ST	1	2/0	19 Strand	0.055	285	185*	0.52	1,453
RW003ST	1	3/0	19 Strand	0.055	330	210	0.57	1,814
RW004ST	1	4/0	19 Strand	0.055	385	235	0.63	2,267
RW250ST	1	250	37 Strand	0.065	425	265	0.7	2,690
RW300ST	1	300	37 Strand	0.065	480	295	0.75	3,205
RW350ST	1	350	37 Strand	0.065	530	325	0.8	3,727
RW400ST	1	400	37 Strand	0.065	575	345	0.85	4,242
RW500ST	1	500	37 Strand	0.065	660	395	0.93	5,262
RW600ST	1	600	61 Strand	0.08	740	455	1.04	6,355
RW750ST	1	750	61 Strand	0.08	845	500	1.14	7,897
RW1000ST	1	1000	61 Strand	0.08	1000	585	1.3	10,446

All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.

*Ampacities based on CEC 2021, Table 2

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Colour Coding

- Available in standard colours

Features

- Rated at 90°C dry & wet
- Excellent crush resistance
- Excellent moisture and chemical resistance

Application

- RW90 cables are primarily used for power distribution rated 600v or less.
- They may be used in wet or dry locations
- Coloured insulation #8awg and larger can be marked S/R or Sun Res

Technical notes

- *For 3-wire 120/240 and 120/208V residential services or sub-services, the allowable ampacity for sizes #6, #2 and #4/0 AWG aluminum shall be 60, 100 and 200 amperes respectively. #2/0 AWG copper shall be 200amperes. In these cases, the 5% adjustment per C.E. Code Rule 8-106(1) cannot be applied.
- # Based on not more than 3 copper or aluminum conductors in raceway or cable. For 1 conductor per underground duct installation ampacities contact Ready Wire.