



### Voltage

600V or less

### Construction

Sino-cables RW90 type aluminum conductors are annealed AA-8000 series Aluminum Alloy, compact stranded. Insulation is an abrasion, moisture and high-heat resistant, low temperature black XLPE(cross-linked polyethylene). Standard black sizes 6 and larger is sunlight resistant and is marked "Sun Res".

[Copper conductor is also available.](#)

### Standard

CSA Spec. C22.2, No. 38.

### Features

1. -40°C----90°C
2. High-Heat and Moisture and Sunlight Resistant.
3. VW-1 or higher required by customers.

### Applications

RW90 is for open wiring and used in raceways (except cable troughs and ventilated flexible cableways) in dry or wet locations. For open wiring exposed to the weather. Minimum recommended installation temperature minus 40°C (with suitable handling procedures). Maximum conductor temperature 90°C. Approved for use on ceiling fixtures.

### Package

steel & wooden reel, wooden reel, steel reel, in coils on wooden tray, or other requirements by customers.



[www.sino-cables.com](http://www.sino-cables.com)

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Size (AWG)	Strand	Insulation Thickness in	Nominal O.D. in	Ampacity 30°C Ambient (amps)						Net Weight lbs/Mft
				Open			Conduit			
				60°C	75°C	90°C	60°C	75°C	90°C	
6	7	0.045	0.260	80	95	100	55**	65	65	38
4	7	0.045	0.304	105	125	135	70	85	85	56
2	7	0.045	0.359	140	170	180	100	115	120	83
1	8	0.055	0.410	165	195	210	110	130	140	105
1/0	10	0.055	0.447	195	230	245	125	150	155	129
2/0	12	0.055	0.487	225	265	285	145	175	185**	158
3/0	16	0.055	0.534	260	310	330	165	200	210	194
4/0	19	0.055	0.586	300	360	385	195	230	235	240
250	22	0.065	0.651	340	405	425	215	255	265	287
300	35	0.065	0.704	375	445	480	240	285	295	340
350	35	0.065	0.750	420	505	530	260	310	325	398
400	35	0.065	0.793	455	545	575	280	335	345	443
500	35	0.065	0.870	515	620	660	320	380	395	545
600	58	0.080	0.977	575	690	740	355	420	455	664
750	58	0.080	1.072	655	785	845	400	475	500	817
1000	58	0.080	1.224	780	935	1000	455	545	585	1071

\*\*Allowable ampacities for not more than 3 aluminum conductors in raceway or cable (based on ambient temperature of 30°C)

\*All values are nominal and subject to correction

