

RW90/RW75 Copper

XLPE Insulated, 600 V, 1 kV, 2 kV

Features

CSA Listed as Type RW90 and RW75.

Per CSA cable is rated:

- Sunlight Resistant for Black color only.
- For 600 V rated -40 °C and FT1.

Application

These cables are used in general purpose wiring in circuits not exceeding 2000 volts.

May be used in wet or dry locations, installed in raceway, duct and aerial installations.

For exposed wiring in wet locations, or exposed to weather.

For use in raceways, except cable trays, in wet locations.

For use in ventilated and non-ventilated cable trays, in vaults and switch rooms.

Standards

CSA C22.2 No. 38

Thermoset-Insulated Wire and Cable.

Specifications

Maximum operating voltage:

- 600 volts
- 1000 volts
- 2000 volts

Maximum conductor operation temperatures:

- RW90: 90 °C wet and dry.
- RW75: 75 °C wet and dry.

Engineering Information

1. Conductor: Soft annealed uncoated copper compressed Class B stranding, or unilay-compressed per ASTM B8, solid wire per ASTM B3.

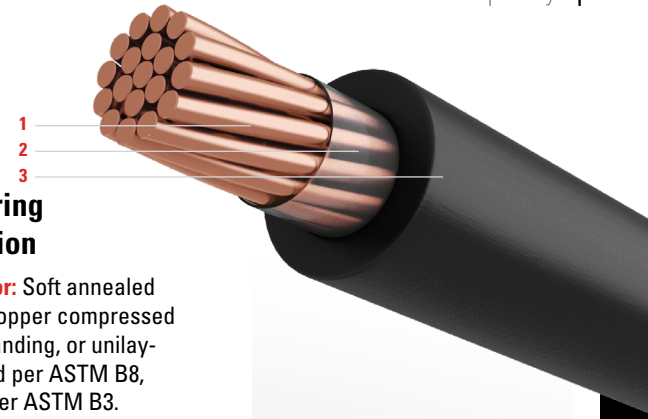
Sizes: 14 AWG – 1000 kcmil.

On request, larger sizes available.

2. Separator: A suitable opaque tape, as required.

3. Insulation: Black Thermoset flame retardant cross-linked polyethylene (XLPE).

On request, colored insulation.



Technical Data

RW90/RW75

Size AWG or kcmil	Number of Strands	Insulation Thickness	Approximate Outside Diameter	Approximate Net Weight
		mil	in	lb/ft
600 volts				
14	19	30	0.13	19
12	19	30	0.15	27
10	19	30	0.18	41
8	19	45	0.24	68
6	19	45	0.27	98
4	19	45	0.32	150
2	19	45	0.38	231
1	19	55	0.44	293
1/0	19	55	0.48	365
2/0	19	55	0.52	455
3/0	19	55	0.57	567
4/0	19	55	0.63	709
250	37	65	0.69	838
300	37	65	0.75	998
350	37	65	0.80	1159
400	37	65	0.84	1319
500	37	65	0.93	1638
600	37	65	1.03	1972
750	61	80	1.14	2448
1000	61	80	1.29	3239

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.

Ampacities: Refer to beginning of section.

Technical Data *continued*

RW90/RW75 1000 V

Size AWG or kcmil	Number of Strands	Insulation Thickness	Approximate Outside Diameter	Approximate Net Weight
		mil	in	lb/kft
1000 volts				
14	7	45	0.17	23
12	7	45	0.18	32
10	7	45	0.21	46
8	7	45	0.24	68
6	7	60	0.31	104
4	7	60	0.35	157
2	7	60	0.41	239
1	19	80	0.50	309
1/0	19	80	0.54	381
2/0	19	80	0.58	473
3/0	19	80	0.63	585
4/0	19	80	0.69	728
250	37	90	0.75	863
300	37	90	0.81	1025
350	37	90	0.85	1187
400	37	90	0.90	1348
500	37	90	0.98	1669
600	61	90	1.06	1990
750	61	90	1.16	2468
1000	61	90	1.31	3262
2000 volts				
14	7	60	0.20	28
12	7	60	0.22	38
10	7	60	0.24	53
8	7	70	0.29	80
6	7	70	0.33	109
4	7	70	0.37	163
2	7	70	0.43	246
1	19	90	0.52	317
1/0	19	90	0.56	390
2/0	19	90	0.60	482
3/0	19	90	0.65	596
4/0	37	90	0.71	740
250	37	105	0.78	882
300	37	105	0.84	1045
350	37	105	0.89	1209
400	37	105	0.93	1370
500	37	105	1.01	1694
600	61	120	1.12	2041
750	61	120	1.23	2524
1000	61	120	1.37	3325

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.

Ampacities: Refer to beginning of section.