

RW90 Plex Feeder Cable

600 Volt



Part Number	Conductor Size	No. of Conductors	Ground Conductor Size	Nominal Insulation Thickness		Approx Conductor Diameter		Approx Plexed Cable Diameter		Approx Plexed Cable Weight	Cable Ampacity* @90 °C
	AWG/kcmil		AWG/kcmil	inches	mm	inches	mm	inches	mm	kg/km	amps
THREE CONDUCTORS NO GROUND											
2-03 RW90	2	3	N/A	0.045	1.14	0.36	9.2	0.82	20.8	380	100
THREE CONDUCTORS PLUS GROUND											
4-03+6-01RW90	4	3	6	0.045	1.14	0.31	7.9	0.72	18.3	320	75
2-03+6-01RW90	2	3	6	0.045	1.14	0.36	9.2	0.82	20.8	444	100
1-03+4-01RW90	1	3	4	0.055	1.40	0.41	10.4	0.94	23.8	569	115
1/0-03+4-01RW90	1/0	3	4	0.055	1.40	0.45	11.5	1.00	25.4	670	135
2/0-03+4-01RW90	2/0	3	4	0.055	1.40	0.49	12.5	1.08	27.4	800	150
3/0-03+4-01RW90	3/0	3	4	0.055	1.40	0.54	13.7	1.18	30.1	963	175
4/0-03+4-01RW90	4/0	3	4	0.055	1.40	0.59	15.0	1.30	33.0	1205	200**
250-03+2-01RW90	250	3	2	0.065	1.65	0.65	16.5	1.44	36.6	1428	230
300-03+2-01RW90	300	3	2	0.065	1.65	0.70	17.8	1.54	39.1	1712	260
350-03+2-01RW90	350	3	2	0.065	1.65	0.75	19.1	1.63	41.4	1912	280
400-03+1-01RW90	400	3	1	0.065	1.65	0.79	20.1	1.72	43.7	2182	305
500-03+1-01RW90	500	3	1	0.065	1.65	0.87	22.1	1.88	47.8	2636	350
750-03+1/0-01RW90	750	3	1/0	0.080	2.03	1.07	27.2	2.32	58.9	3916	435
FOUR CONDUCTORS PLUS GROUND											
2-04+6-01RW90	2	4	6	0.045	1.14	0.36	9.2	0.91	23.1	378	80
1-04+4-01RW90	1	4	4	0.055	1.40	0.41	10.4	1.06	27.0	730	92
1/0-04+4-01RW90	1/0	4	4	0.055	1.40	0.45	11.4	1.14	29.0	865	108
2/0-04+4-01RW90	2/0	4	4	0.055	1.40	0.49	12.4	1.23	31.2	1036	120
3/0-04+4-01RW90	3/0	4	4	0.055	1.40	0.54	13.7	1.33	33.8	1254	140
4/0-04+4-01RW90	4/0	4	4	0.055	1.40	0.59	15.0	1.47	37.4	1565	164
250-04+2-01RW90	250	4	2	0.065	1.65	0.65	16.5	1.62	41.1	1862	184
350-04+2-01RW90	350	4	2	0.065	1.65	0.75	19.1	1.86	47.2	2517	224
500-04+1-01RW90	500	4	1	0.065	1.65	0.87	22.1	2.15	54.6	3411	280
750-04+1/0-01RW90	750	4	1/0	0.080	2.03	1.07	27.2	2.65	67.4	5077	348

All values are nominal and subject to correction.

*Ampacities for aluminum conductors in raceway or cable based on an ambient temperature of 30°C per CEC Table 4 and adjusted for 4 conductors per CEC Table 5C.

**Ampacity not to exceed 200 amps under any ambient conditions.



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APPLICATION:

RW90 Conductors are primarily used for power distribution where light weight and flexibility are desired. RW90 conductors have magnetic fields between phases which cancel each other out in the plexed assembly, resulting in a reduced voltage drop. RW90 conductors may be used in wet or dry locations at conductor operating temperatures not exceeding 90°C. Suitable for ambient temperatures down to -40°C and for use in accordance with CEC Part 1 (or CSA 22.1).

CONDUCTORS:

- Compact stranded AA-8000 series aluminum alloy

INSULATION:

- Cross-linked polyethethylene (XLPE), solid colour, c(UL) listed for sunlight resistant and -40°C

COLOUR CODE:

Single Phase:

- 3: Black, Black, White (No Ground)
- 3+1: Black, Black (or Red), White + Green Ground

Three Phase:

- 3+1: Black, Red, Blue + Green Ground
- 4+1: Black, Red, Blue, White + Green Ground

Note: Additional colour code options are available upon request

ASSEMBLY:

- Insulated phase conductors are plexed at factory, with an insulated ground wire (when required)

SPECIFICATIONS:

- C22.2 No.38/UL 44 - Thermoset-Insulated Wires and Cables, c(UL)/UL listed
- ASTM B800 - 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers
- ASTM B801 - Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation



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