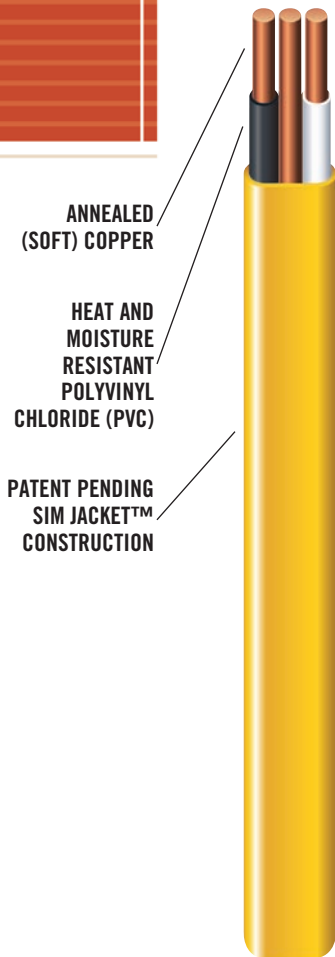


Romex® SIMpull® Type NMD90



APPLICATIONS Suitable for use as follows:

- Southwire's Romex® SIMpull® Type NMD90 cables may be used for both exposed work in dry locations or concealed work in dry or damp locations
- The maximum allowable conductor temperature is 90°C
- The minimum recommended installation temperature is minus 25°C for two-conductor cables, and minus 10°C for three-conductor cables (with suitable handling procedures)
- Material should be properly stored above 0°C for 24 hours prior to installation
- The maximum voltage rating for all intended applications is 300 volts
- Consult the Canadian Electrical Code¹ for further information related to applications

STANDARDS & REFERENCES

Southwire's Romex® SIMpull® Type NMD90 cables meet or exceed the requirements of all applicable ASTM specifications, CSA C22.2 No. 48 (non-metallic sheathed cable), and the Canadian Electrical Code.¹

CONSTRUCTION

- Southwire's ROMEX® SIMpull® Type NMD90 cables are available as two- or three-conductor cables, with bare grounding conductor
- The construction is manufactured using annealed (soft) copper conductors—compressed stranding for the stranded conductors; a 90°C rated thermoplastic polyvinyl chloride (PVC) insulation and a nylon jacket for the individual conductors; and a PVC jacket surrounding the overall construction
- The cable jacket is color coded for quick size identification; White - 14 AWG, Yellow - 12 AWG, Orange - 10 AWG, and White - 8 AWG and 6 AWG
- For two-conductor cable, one conductor has white insulation and the second conductor has black insulation
- For the three-conductor cable, one conductor has white insulation, one conductor has black insulation, and the third conductor has red insulation
- A blue overall jacket is available with two-conductor cable size 14 AWG
- A red overall jacket is available with two-conductor cables—sizes 14 AWG, 12 AWG, 10 AWG, and 8 AWG: phase conductors will be red and black
- Unique SIM (SlikQuik™ Infused Membrane) Jacket™ construction allows for 50% reduction in pulling force resulting in easier installation, easier stripping, reduced burn-thru, and tear resistance

¹ 2002 Canadian Electrical Code

Non-metallic Sheathed Cable

300 Volts

Copper Conductors

SIM Jacket™ Construction Designed for Easier Pulling

Pulls Faster

Strips Easier

Reduced Burn-Thru

Tear Resistant





COPPER CONDUCTORS

ROMEX® SIMpull® TYPE NMD90

WEIGHTS, MEASUREMENTS AND PACKAGING

SIZE (AWG)	NUMBER	CONDUCTOR			GROUND WIRE		APPROX. JACKET THICKNESS		APPROX. CABLE DIMENSIONS		APPROX. WEIGHT		ALLOWABLE AMPACITIES† (Amps) 30°C AMBIENT
		NUMBER OF STRANDS	INSULATION THICKNESS		SIZE (AWG)	NUMBER OF STRANDS	mm	inches	mm	inches	kg/km	lbs/1000 ft	
			mm	inches									
2 CONDUCTOR													
14	2	1	0.86	0.034	14	1	0.76	0.030	9.86 X 4.88	0.388 X 0.192	101	68	15
12	2	1	0.86	0.034	14	1	0.76	0.030	10.71 X 5.30	0.422 X 0.209	129	86	20
10	2	1	0.86	0.034	12	1	0.76	0.030	12.21 X 5.840	0.481 X 0.230	182	122	30
8	2	7	1.02	0.040	10	1	1.14	0.045	16.15 X 7.92	0.636 X 0.312	310	208	45
6	2	7	1.30	0.051	8	7	1.14	0.045	20.12 X 9.40	0.792 X 0.370	468	315	65
3 CONDUCTOR													
14	3	1	0.86	0.034	14	1	0.76	0.030	8.77	0.345	128	86	15
12	3	1	0.86	0.034	14	1	0.76	0.030	9.69	0.381	169	114	20
10	3	1	0.86	0.034	12	1	0.76	0.030	10.85	0.427	242	163	30
8	3	7	1.02	0.040	10	1	1.14	0.045	14.47	0.570	408	275	45
6	3	7	1.30	0.051	8	7	1.14	0.045	17.65	0.695	627	421	65
3	3	7	1.30	0.051	6	7	2.03	0.080	23.48	0.925	1189	799	105

†Allowable ampacities are for general use as specified by the Canadian Electrical Code, 2002, Table 2.