

ROMEX® SIMpull® TYPE NM-B



ANNEALED (SOFT)
COPPER

NYLON
(POLYAMIDE)
OR UL-LISTED
EQUAL JACKET

HEAT AND
MOISTURE
RESISTANT
POLYVINYL
CHLORIDE (PVC)

SIM JACKET®
CONSTRUCTION
MANUFACTURED
UNDER U.S.
PATENT NO.
7411129

Non-metallic
Sheathed Cable

600 Volt

Copper Conductors

Color-Coded Jacket

Patented SIM
Technology® for
Easier Pulling

Four Conductor
Available With Two
Neutrals

APPLICATIONS Suitable for use as follows:

- Southwire's Romex® SIMpull® Type NM-B (non-metallic sheathed cable) may be used for both exposed and concealed work in normally dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 60°C conductors) as specified in the National Electrical Code®¹
- NM-B cable is primarily used in residential wiring as branch circuits for outlets, switches, and other loads
- NM-B cable may be run in air voids of masonry block or tile walls where such walls are not wet or damp locations
- Voltage rating for NM-B cable is 600 volts

STANDARDS & REFERENCES

Southwire's Romex® SIMpull® Type NM-B cable meets or exceeds UL Standard 83, UL Standard 719, Federal Specification A-A-59544, and requirements of the National Electrical Code®.

CONSTRUCTION

- Southwire's Romex® SIMpull® Type NM-B cable is manufactured as 2, 3, or 4 conductor cable, with a ground wire
- Copper conductors are annealed (soft) copper
- Stranded conductors are compressed stranded
- Conductor insulation is 90°C-rated polyvinyl chloride (PVC), nylon jacketed
- Southwire's SIMpull® designed for easier pulling, resulting in easier installation
- The cable jacket is color-coded for quick size identification; White - 14 AWG, Yellow - 12 AWG, Orange - 10 AWG, and Black - 8 AWG and 6 AWG

SPECIFICATIONS

Conductors shall be UL-listed Type NM-B, suitable for operation at 600 volts in all installations as specified in the National Electrical Code®. SIMpull® jacketed conductors shall be annealed copper as manufactured by Southwire Company or approved equal.

¹2008 Edition





COPPER CONDUCTORS

ROMEX® SIMpull™ TYPE NM-B

WEIGHTS, MEASUREMENTS AND PACKAGING

CONDUCTOR				GROUND WIRE		APPROX. CABLE DIMENSION (mils)	APPROX. NET WEIGHT PER 1000 ft (lbs)	ALLOWABLE AMPACITIES†	STANDARD PACKAGE
SIZE (AWG)	NUMBER OF CONDUCTORS IN CABLE	NUMBER OF STRANDS IN CONDUCTORS	INSULATION THICKNESS (mils)	SIZE (AWG)	NUMBER OF STRANDS				
2 CONDUCTOR									
14	2	1	19	14	1	360 X 162	57	15	EH
12	2	1	19	12	1	410 X 179	82	20	EH
10	2	1	24	10	1	494 X 210	124	30	EH
8	2	1	35	10	1	612 X 269	186	40	BK
6	2	1	35	10	1	683 X 304	255	55	BK
3 CONDUCTOR									
14	3	1	19	14	1	307	74	15	BH
12	3	1	19	12	1	347	107	20	BH
10	3	1	24	10	1	422	164	30	BH
8	3	7	35	10	1	565	253	40	BK
6	3	7	35	10	1	650	357	55	BK
4	3	7	46	8	1	814	560	70	CK
2	3	7	46	8	1	952	816	95	CK
4 CONDUCTOR									
14	2/2	1*	19	14	1	336	91	15	BH
14	4	1**	19	14	1	336	91	15	BH
12	2/2	1*	19	12	1	381	132	20	BH
12	4	1**	19	12	1	381	132	20	BH
†Ampacity per 310.15 and 334.80, National Electrical Code®, 2008 Edition. NOTE: Jacket thickness for all NM-B cable is 30 mils. *Color Code for 2/2 Conductor Cable is Black, White, Red, and White with Red Stripe. **Color Code for 4 Conductor Cable is Black, White, Red, and Blue.							STANDARD PACKAGE CODES B – 1000 ft. reel C – 500 ft. reel E – 1000 ft. spool H – 250 ft. coil K – 125 ft. coil		