Romex® Brand SIM*pull*®
NM-B-PCS DUO™ Cable

Nonmetallic-Sheathed Cable with both Power Conductors and Control/Signal Conductors. 600 Volts. Copper Conductors. Color-Coded Jacket. SIMpull® Jacket Designed for Easier Pulling.

APPLICATIONS

Southwire® Romex® Brand SIMpull® NM-B-PCS DUO™ nonmetallic-sheathed cable may be used for both exposed and concealed work in normally dry locations as specified in the National Electrical Code. NM-B-PCS cable is primarily used in residential wiring for SMART home applications such as 0-10V DC dimming controls for LED lighting. NM-B-PCS 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-PCS cable is 600 volts. All conductors are rated 600 volts.

STANDARDS & REFERENCES

Southwire® Romex® Brand SIMpull® NM-B-PCS DUO™ cable complies with the following:
• Compliant with NEC Article 334 (NM Cable) and the Class 2/Class 3 circuit separation requirements of NEC 725.136(I)(1) and 725.136(I)(2)
• Listed per UL Standard 719
• ASTM B-3 and B-8
• Federal Specification A-A-59544
• REACH/RoHS Compliant

CONSTRUCTION

Southwire® Romex® Brand SIMpull® NM-B-PCS DUO™ cable is manufactured as 2 or 3 insulated copper power conductors with a bare ground wire plus a control/signal component for installation as a Class 2 or Class 3 circuit, all underneath an outer PVC jacket that includes a blue stripe over the control/signal component. Control/signal component is a pair of solid copper 16 AWG purple and pink conductors underneath a 30 mil light blue PVC jacket. Copper conductors are annealed (soft) copper. Stranded conductors are compressed stranded.
Southwire® Romex® Brand SIMpull® NM-B-PCS DUO™ cable is 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.

CAUTION: Do not use the control/signal component to make connections to 120V AC line voltage.

Power Conductors			Ground Wire		Control/Signal Cable			Approx. Cable Dimension (mils)	Jacket Thickness (mils	Approx. Net Wt. Per 1000' (lbs.)	Allowable Ampacity +	Standard Package
Size (AWG)	No. of cond.	No. of strands	Size (AWG)	No. of strands	Size (AWG)	No. of cond.	No. of strands					
TWO CONDUCTOR												
14	2	1	14	1	16	2	1	688x225	30	108	15	AB
12	2	1	12	1	16	2	1	725x225	30	129	20	AB
10	2	1	10	1	16	2	1	805x225	30	170	30	AB
THREE CONDUCTOR												
12	3	1	12	1	16	2	1	834x225	30	153	20	AB
+ Ampacities per National Electrical Code section 310.15 and 334.80. NOTE: Outer jacket thickness for all NM-B-PCS cable is 30 mils.												PACKAGE CODE: A- 1,000' B- 200'

RECOMMENDED SAMPLE SPECIFICATIONS:

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

Construction		Stock Numbers
Power Conductors	Control/Signal Cable	
TWO CONDUCTOR		
14/2 + Ground	16/2	Stock #: 678071
12/2 + Ground	16/2	Stock #: 679628
10/2 + Ground	16/2	Stock #: 679630
THREE CONDUCTOR		
12/3 + Ground	16/2	Stock #: 679629

The Power of Connections.™

Southwire®

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