

Black & Decker**GUARANTEE**

Black & Decker guarantees, for one year from date of purchase, to correct by repair or parts replacement without charge any defect due to faulty material or workmanship. Simply return the complete unit, transportation prepaid, to any Black & Decker Service Center or authorized Service Center. Naturally, we assume no responsibility for damage caused by misuse, careless handling or where repairs have been made or attempted by others. No other guarantee, written or verbal, is authorized by us.

Motors

All Black & Decker Electric Tool Motors (except Bench Grinders, Permanent Magnet Motors and Electric Submersible Pump Motors) are "Universal" Motors, i.e., they will operate on either DC or single phase AC of 25 to 60 cycles of the specified voltage except where a special switch or other component limits the usage to AC.

VOLTAGE SPECIFICATIONS:

Tools shown in this catalog will be supplied to authorized distributors from the nearest appropriate Distribution Center in 120 volts, except for Bench Grinder Models 4325, 4326, 4330 and 4335 shown on Pages 93 and 94. For these units, phase and cycle must be specified.

Certain tools are available in 220 volts through the Product Service Division. Most prices are approximately 15% higher than those shown in the price list for 120 volt versions. Orders from authorized distributors should be sent directly to their nearest Black & Decker Service Center, which will give a specific quotation on price.

Extension Cable Chart

Based on current equivalent to rated load of tool and a loss in voltage of not over 5 volts for 120 volt tools. For 220 volt tools, the nameplate amperage rating should be halved before using this chart. The chart, therefore, is to be used in the same manner as for 120 volt tools.

Ampere rating (on nameplate)	0- 2.00	2.10- 3.4	3.5- 5.00	5.10- 7.0	7.10- 12.0	12.1- 16.0
Ext. Cable Length	Wire Size					
25 ft	18	18	18	18	16	14
50 ft	18	18	18	16	14	12
75 ft	18	18	16	14	12	10
100 ft	18	16	14	12	10	8
150 ft	16	14	12	10	8	6
200 ft	16	14	12	10	8	6
300 ft	14	12	10	8	6	4
400 ft	12	10	8	6	4	4
500 ft	12	10	8	6	4	2
600 ft	10	8	6	4	2	2
800 ft	10	8	6	4	2	1
1000 ft	8	6	4	2	1	0

**OSHA: Double Insulation
3-Wire Grounding****GROUNDING TOOL; THREE-PRONG PLUGS**

Each Black & Decker tool in this category is provided with a grounding type plug. The grounding prong of the plug is electrically connected to the accessible metal part of the tool. Receptacles now required by the National Electrical Code accept this plug without the need for an adaptor.

This category of tool complies with OSHA regulation part 1910.309 for industrial application and part 1926.401 for construction application.

**DOUBLE INSULATED TOOL; TWO-PRONG PLUGS**

Each Black & Decker tool in this category is provided with an extra layer of insulation to eliminate the need for a grounding prong on the plug. The extra layer of insulation takes the place of the grounding circuit. These tools are to be used with the older two-pin receptacles without the need for an adaptor. These tools can also be used with the recent three-pin receptacles without an adaptor.

This category of tool complies with OSHA regulation part 1910.309 for industrial application and part 1926.401 for construction application.

**ALL-INSULATED TOOL; TWO-PRONG PLUGS**

All-Insulated is a Black & Decker name for a Double Insulated tool with the entire housing made up of insulating material.

This category of tool complies with OSHA regulation part 1910.309 for industrial application and part 1926.401 for construction application.

**CORDLESS TOOL**

Each Black & Decker tool listed in this category has a two-prong plug charger. The operating voltage of the tool can be anywhere from 2.5 volts to 15 volts DC and creates no shock hazard from any internal electrical failure.

GROUNDING:

All tools listed in this catalog (except Double-Insulated, All-Insulated Tools and the Cordless Drill) have grounded systems and grounding-type attachment plugs, listed by Underwriters' Laboratories, Inc. These fit standard grounding receptacles now required by the National Electrical Code.

**Underwriters' Laboratories
Listing**

All Black & Decker Tools listed in this catalog have been listed where applicable, under the service of Underwriters' Laboratories, Inc., for industrial use.

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