

History of Wire and Cable Systems Worksheet

Resistance	Sheath	12 feet	36 inches
Black	Electrical box	3-way switch	Circuit breaker
Milliamps	On	One	Fourteen gauge
Type	Master switches	Quick break	Smoke detector
Omega	Electric current	"E" pages	Voltage
Covering	General outlet	American Wire Gauge	Green
Neutral wire	Non-metallic cable	Solid-core, plastic, vinyl	Receptacle boxes
Voltage, amps,	Finished surface	"stamped"	Silver screws
Watertight	3 inches	Sub-panel	Single gang box
44 inches	12-16 inches	Electrical shock	Manufacturer's name
Location	Short circuit	Identification	Terminals
Arc fault interrupter	General notes	Ohms	Insufficient
Three-way switch	Electrical current	Safely split	

Directions: While reading The History of Electrical Switches fill in the blanks using the words from the word bank above. Underline your answer choice in the text that you read.

1. A switch will have _____ for input and output of electrical current.
2. When you are installing a one-way switch, the rocker/toggle should be up when the light is _____.
3. Double Pole, Double throw knife switch is used on _____ and controls two circuits, usually with a center off position.
4. Modern single pole switch will have 2 brass side screws and a _____ grounding screw.
5. The _____ mechanism prevented a switch's contacts developing electric arcing.