

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 Wire and Cable Systems fill in the blanks using the words from the word bank above. Underline your answer choice in the text that you read.

1. A cable is two or more wires that are grouped together and protected by a _____ or _____.
2. When the cable has a designation 14/2 on the sheathing it means there are two- _____ conductors in the cable.
3. A conductor is any material that allows _____ to flow through it.
4. UF (underground feeder) cable has wires that are embedded in _____ sheathing and includes a bare copper grounding wire.
5. Wire sizes are categorized according to the _____ (AWG) system.