Automotive Wiring And Wire Repair
Chapter 27

ACROSS
1 _______ ______ ______ are uninsulated.
5 Most automotive wire, except for spark plug wire, is often called _______ ______ because it is designated to operate at or near battery voltage.
8 ___ circuit protectors are solid state.
9 ______ ______ are 4 to 2/0 gauge electrical cables with large clamps attached and are used to connect a vehicle that has a discharged battery to a vehicle that has a good battery.
11 ______ ________ are used to protect wiring from a direct short-to-ground.
12 The term ______ usually refers to the plastic portion that snaps or connects together, thereby making the mechanical connection.
13 A _______ is a metal fastener attached to the end of a wire, which makes the electrical connection.
14 ______ should be used in every circuit to protect the wiring from overheating and damage caused by excessive current flow as a result of a short circuit or other malfunction.
15 A _______ is used to transmit low-voltage signals using two wires that are twisted together.

DOWN
2 The _______ is the term used to describe how high-frequency AC electricity flows through a conductor.
3 _______ ______ are mechanical units made of two different metals that deform when heated and open a set of contact points that work in the same manner as an "off" switch.
4 Wiring is sized and purchased according to gauge size as assigned by the ______ system.
6 Most manufacturers indicate on the wiring diagrams the ______ ______ sizes measured in square millimeters of cross-sectional area.
7 A _______ is a type of fuse that consists of a short length of standard copper-strand wire covered with a special nonflammable insulation.
10 ______ are the largest wires used in the automotive electrical system.