

ABSTRACT OF THE DISCLOSURE**POWER CABLE LINE**

In a conventional power cable line in which metal sheaths of cables are cross-bonded together at respective straight-through joints with an insulated
5 flange for each phase by cross-bonding wires, numerous ammeters have been used for detecting damages of an outer jacket of cable by detecting abnormal electrical currents as a number of communication cables, such as optical fibers, for transmitting data to a maintenance center.

The present invention provides:

- 10 1. Connecting metal sheaths 2 together at straight-through joints without an insulated flange 4 by conducting wires 11 without grounding,
2. Providing a collective grounding place 10 at the termination ends 5 which are located at each end of the cable line, and
3. Equipping an ammeter at each collective grounding place 10.

Figure 1