

AUTOMATIC DATA BUS WIRE INTEGRITY VERIFICATION DEVICE

ABSTRACT

A device for verifying wire connectivity of a bus may include a bus connector configured to connect to a bus comprising a plurality of wires and measurement circuitry configured to perform a verification test on each wire of the bus. The verification test of each wire may include connecting a wire under test in a predetermined configuration relative to the other wires for performing the verification test and measuring a value of an electrical parameter associated with the wire under test. The verification test may also include comparing the value of the measured electrical parameter associated with the wire under test to an expected value of the electrical parameter. The wire under test passes the verification test in response to the measured value of the electrical parameter corresponding substantially to the expected value of the electrical parameter.

Fig. 1