* Mysray loop bridge

The Murray Loop bridge is a bridge circuit used for Locating faults in underground stable it has been used for More then 100 years but is being replaced by the more precise Time domain reflectometer.

one end of the faulted Cable is connected through a pair of resistors of the voltage source. Also a how-detector is connected. The other end of the Cable is shorted the bridge is brought to balance by chiming the values of RBI and RBI which is achieved when.

Rx = RBI

Roz

Which is equivalent to:

Rx = Chothy) · RBI

Rx = Chothy)

the value of resistance Rx is proportional the Leight Lx thus the Location of the fault Can be calcuated

Lx = 2.2 RB1

RB1+RB2

This The Similar Verley loop use fixed resistors for RD, and RBZ and Inserts a Variable resistor in the faulted les. Test sets for Cable testir. Can be connected for either bridge technique if the fault resistance is high, the Sensitivity of the Murray bridge is reduced and the varley loop may be more suita

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