



## Testing Services

### Cable Fault Location Service for Low and Medium Voltage Networks

TechnoPower have the modern and high technology portable cable fault location systems for locating the cable faults precisely and accurately.

Highly qualified engineers and technicians in the field of underground cable fault location are performing these tests according to the international standards and following the safety regulations.

With our system; we are able to locate complex cables faults.

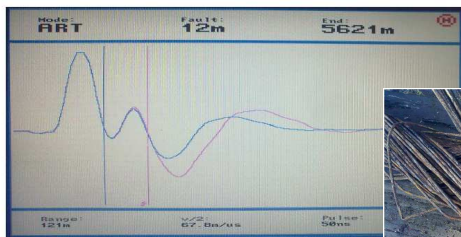
Professional reports with recommendations for the actions to be taken.

	Applied Voltage	Leakage current	Insulation resistance	Capacitance	Comment
Phase 1	1.5 kV	31 $\mu$ A	48 M $\Omega$	2.71 $\mu$ F	Good
Phase 2	1.5 kV	159 $\mu$ A	9.0 M $\Omega$	2.77 $\mu$ F	Bad
Phase 3	1.5 kV	Short Circuit	0 M $\Omega$	----	Faulty

The insulation test gives the same results of the insulation condition of the three cores of the cable.

#### Fault localization:

Equipment used: (Intereng-kmt) P5i Cable Fault Location System

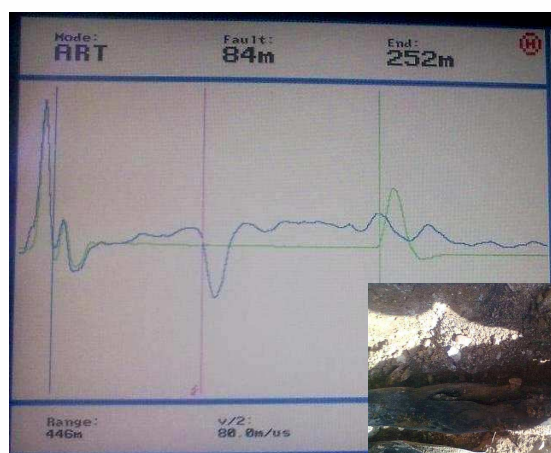


The graph shows the following:

1. The fault is in the phase C (red trace).
2. The fault is at approx. 12 meter from the near end of the cable.



### Test done on a submarine medium voltage cable between two off shore platforms with cable length of 6 km



### Test done on Low voltage cable between two LV distribution panels with cable length of 252 meters