Surface Cable
Technical Details

The **Surface Cable** of KONTINITRO works with the latest Optic Fiber Technology. It transmits the information from the source to analyze to the explomet-fo-2000 at the speed of light. The **Surface Cable** is the most usefull tool to proceed to VOD in all environnement: quarry, mine, tunnel, underwater measurements, in vaquo measurements, laboratory experiments, space program, etc...

With the **Surface Cable** and the Explomet-fo-2000, you can:

- do the usual velocity measurement on all explosives, detonating cords, propellants and pyrotechnics,
- make accurate continuous VOD measurement: With 6 probes placed 30 cm apart the Explomet will measure every 50 microseconds the VOD of an explosive detonating at 6000m/s.
- make a perfect curve of the events.
- measure time intervals on explosives of various forms
- operate under confinement, for example in a metal tube or in a blast hole
- measure the delay of non electric detonators (shock tube detonators)
- measure the delay of electric detonators together with the DETOMET™ instrument.

OPERATION: **(see also Technical Drawing Explomet-fo-2000)**

1. prepare the optical termination**(see cable termination 0001)**
2. plug one end of the probes into the explosive (leave a certain distance for safety reasons) and the other end into the **Surface Cable**. Then, plug the end of the surface cable into the EXPLOMET-FO-2000™.
3. chose the operating mode and follow the indications on the display, if requested introduce the length.
4. Fire.
5. Read on the display, the Velocity Of Detonation and, or the time interval between the illuminationbof the probes.
6. Optionally save your results for later transfer to PC.
Note: the probes will be destroyed by the explosion but not the **Surface Cable**

SPECIFICATIONS SURFACE CABLE:

Length: 50 meters
Material: 6 channels of Plastic Optic Fiber with reinforced core
Plug: 6 special connectors with color code for easy identification
Fiber Optic: plastic optic fiber cable: core: 1 mm diameter, jacket: 2.2 mm diameter
Characteristic: Reusable
Origin: SWISS MADE