

# TYP F

## TECHNICAL INFORMATION

**TYP F** reduces the friction generated during insertion of electrical cables, telephone cables, coaxial cables and **cables in optical fiber** by up to 90%.

**TYP F**, because of its consistency, fluidity and **very low level of evaporation** is recommended for the laying of cables in plastic piping, even for lengths measuring several Km without breaks (uninterrupted lengths of up to 6,000 m have been laid). Technical documentation is available on the laying of optical fiber cables.

**TYP F** may be used for the installation of optic fiber cables by means of the lubricated baton system, using a winch to pull the cables by controlled force. **(recommended use)**

In this case the piping must be pre-lubricated by pouring **TYP F** directly onto the cable during installation.

**TYP F** may also be used with automatic cable insertion machines operating with compressed air.

In this case too, the piping needs to be pre-lubricated.

The use of a compressed air automatic system considerably reduces the quantity of lubricant consumed. Consumption of **TYP F** depends on the diameter and weight of the cable, as well as on the diameter of the piping into which the cable is to be inserted, etc.

Consumption normally varies from 5 to 10 grams per meter.

TYP F:

- maintains its lubricant effect even years after the original application.
- protects cables against pollution.
- adheres perfectly to the cable surface.
- retains its lubricating power even when water is present.
- can be used for any type of cable.

## TECHNICAL SPECIFICATIONS

Appearance	fluid semi-transparent blue or green-colored liquid
Odour	slightly soapy
Viscosity at 20C°	45 - 65 sec. measured with a Ford cup 2 mm Ø
Specific weight	nozzle 1,020 - 1,050 gr/cm <sup>3</sup>
pH	8
Flammability	not flammable
Usage temperature	-20 - +65° C.
Biodegradability	biodegradability higher than 95%
Toxicity	non-toxic
WGK	1 (according to 2000 German and British standards)